23”27”30” LCD TV

Service Manual

Table of contents

1. Precautions & Notice.....2

2. Features & Specifications.....5

3. Connection & Applications.....7

4. Controls Location 9

5. Remote Control.....10

6. Disassembly Instructions.....12

7. Block Diagram.....17

8. Troubleshooting Flow Chart.....18

9. Electronic Circuit Description.....21

10. Circuit Diagram.....25

11. PCB Layout.....43

12. Electrical Part List.....57

13. Mechanical Disassembly.....100

14. Mechanical Part List.....101

1. Precautions & Notice

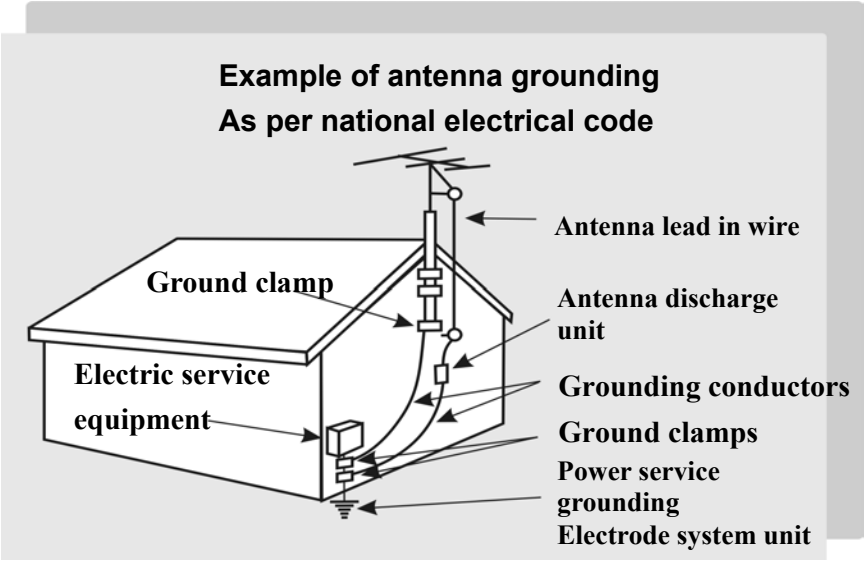
1.1 Safety Precautions

1) Cleaning: Unplug the power cord from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.

2) Heat sources: Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).

3) For added protection for this television equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the equipment due to lightning and power-line surges.

4) If an outside antenna is connected to the television equipment, be sure the antenna system is grounded so as to provide some protection against voltage surges.



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5) An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

6) Ventilation-The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation opening. This product is not designed for built-in installation, do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.

1.2 Product Safety Notice

1) Many electrical and mechanical parts in this chassis provide special visual safety protection. The protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc.
2) Before replacing any of these components, read the parts list manual carefully. The use of substitute replacement parts, which do not have the same safety characteristics, as specified in the parts list may create shock, fire or other hazards.

1.3 Service Notes

1) When replacing parts or circuit boards, wrap the wires around terminals before soldering.
2) Keep wires away from high temperature components.
3) Keep cable and their shielding in their original position so as to reduce interference.

2. Features & Specifications

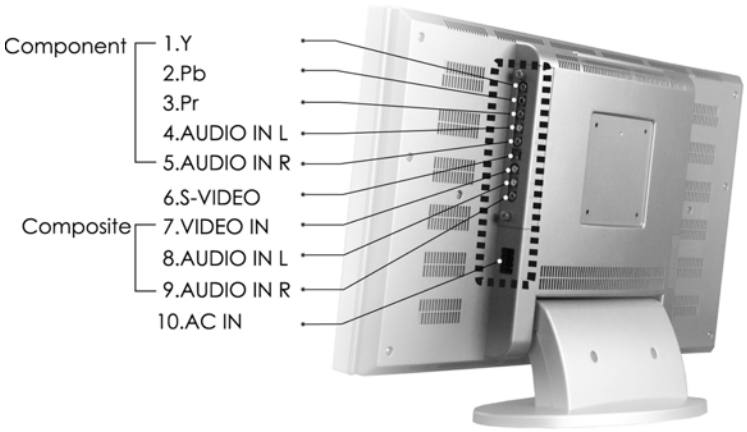
Specification

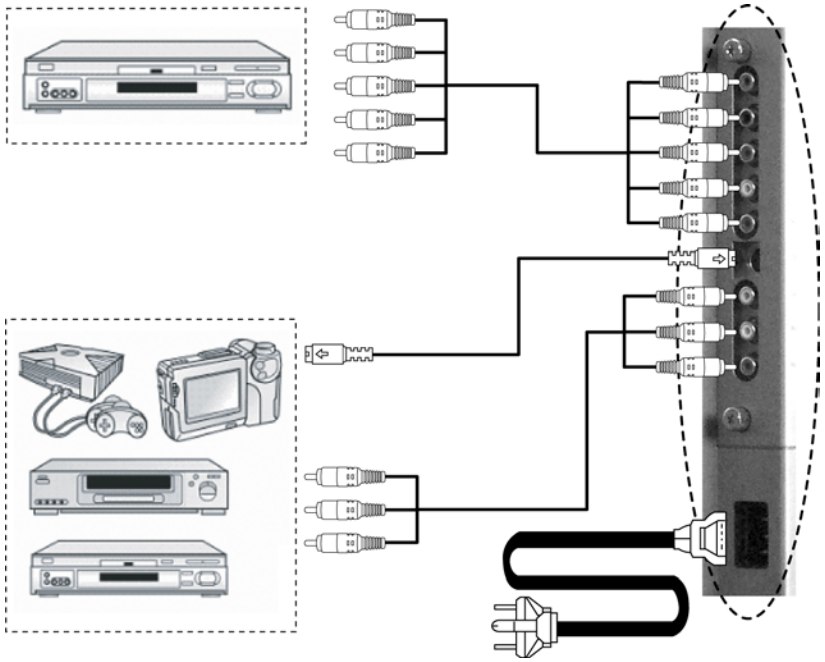
ITEMS		SPECIFICATION
Display	Screen size	27 wide TFT-LCD panel
	Aspect Ratio	16：9
	Resolution	1280 x 720(WXGA)
	Brightness	500cd/m^2 (Typical)
	Viewing Angle	Over 170° (Hor.) / 170° (Vert.)
	OSD Language	Chinese , English, French , German , Spanish
TV I/P	TV standard (CCIR)	NTSC
	TV Turning system	PLL 181 Ch.
	STEREO	MTS+SAP
	CATV	125 CH.
Video I/P	Composite Signal	CVBS
	Y, C Signal	S-Video
	Composite Signal Y, Pb/Cb, Pr/Cr	MDTV system (720p, 1080i)
PC I/P	Signal I/P	Analog：15 pin D-Sub Connector
	PnP compatibility	DDC / 2B
	I/P Frequency	Analog：F_H：31.5KHz to 60KHz F_V ：56Hz to 75Hz
	Recommended	Analog：1024X768 (60Hz)
Audio I/P	Audio I/P：L/Rx3	Audio 1 for CVBS & S-Video
		Audio 2 for y, Pb/Cb, Pr/Cr
		Audio 3 for PC
Video O/P	Composite Signal	TV only
Audio O/P	Audio O/P：L/Px3	Speaker (Build-in)：10W+10W (rms)
		3.5mm miniature stereo phone jack
		Line – out (L/R) for TV only
Other Functions	PIP,VoV,3D De-interlonce, 3D comb-filter ,V-Chip, C.C. Settings	Yes
	Aspect Ration Switching	Normal → Periscope → Zoom →Full
Power	Power Supply	AC 110V ~ 240V, 50/60Hz
	Power Consumption	＜140W
Panel Tilt	Forwards/ Backwards /Rotation	-5° / +20° / ± 180°
Wight (net)	14.5Kg (Without Accessories	
Accessories	Remote Control, Batteries, AC cord, 15 Pin D-Sub Signal Cable	

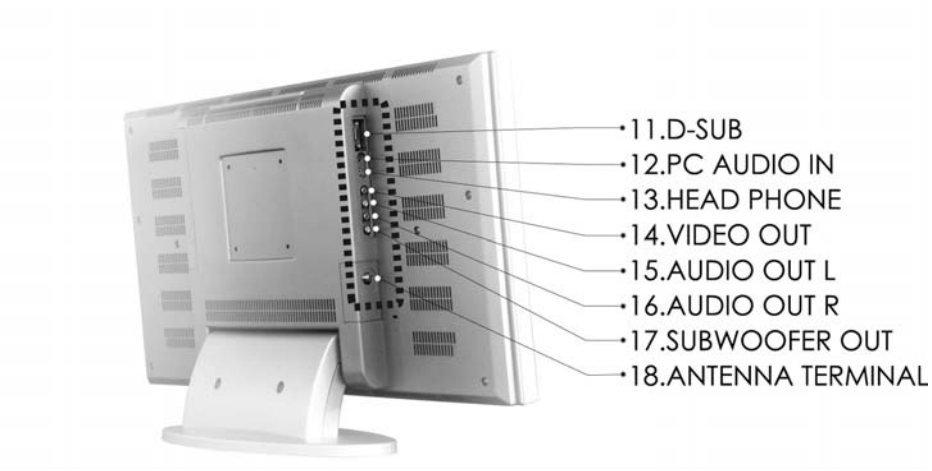
PC I/P Preset Timing Table

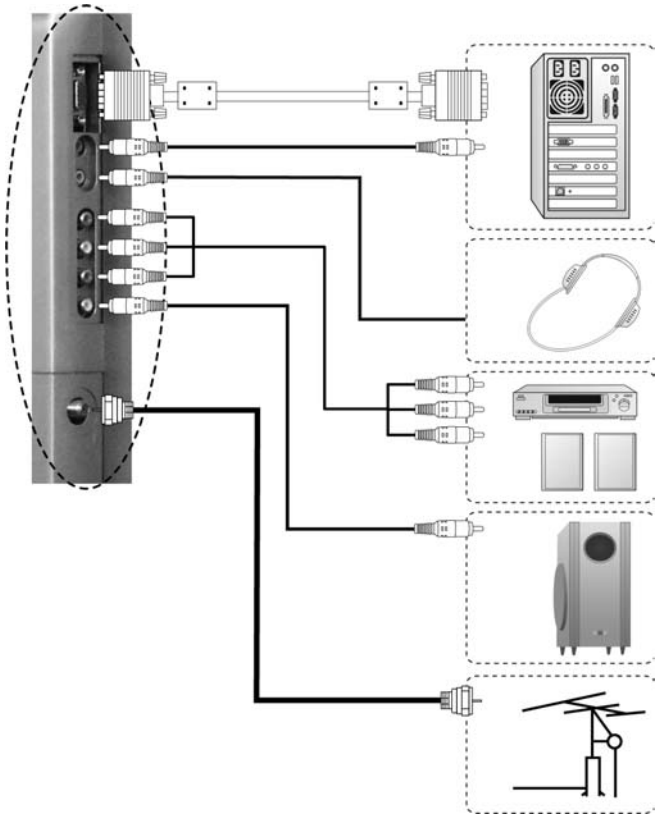
Analog Input				
Mode NO.	**Mode Name Resolution**	**H.Freq. (kHz) V.Freq. (Hz)**	**H. Polarity V. Polarity**	**Pixel CLK (MHZ)**
1	VGA 70Hz 640X350	31.469 70.087	＋ －	25.175
2	VGA 60Hz 640X480	31.469 59.941	－ －	25.175
3	VGA 72Hz 640X480	37.861 72.81	－ －	31.5
4	VGA 75Hz 640X480	37.5 75.0	－ －	31.5
5	SVGA 60Hz 800X600	35.16 56.25	＋ ＋	36.0
6	SVGA 60Hz 800X600	37.876 60.317	＋ ＋	40.0
7	SVGA 72Hz 800x600	48.077 72.118	＋ ＋	50.0
8	SVGA 75Hz 800x600	46.875 75.0	＋ ＋	49.5
9	XGA 60Hz 1024x768	48.363 60.004	－ －	65.0
10	XGA 70Hz 1024x768	56.476 70.069	－ －	75.0
11	XGA 75Hz 1024x768	60.023 75.029	＋ ＋	78.75
12	MAC VGA 640X480	35.0 66.667	－ －	30.24
13	MAC VGA 832x624	49.725 74.550	－ －	57.283
14	US TEXT 720x400	31.469 70.087	－ ＋	28.322
15	WXGA 1280x768	47.73 60.0	－ －	80

3. Connection & Applications









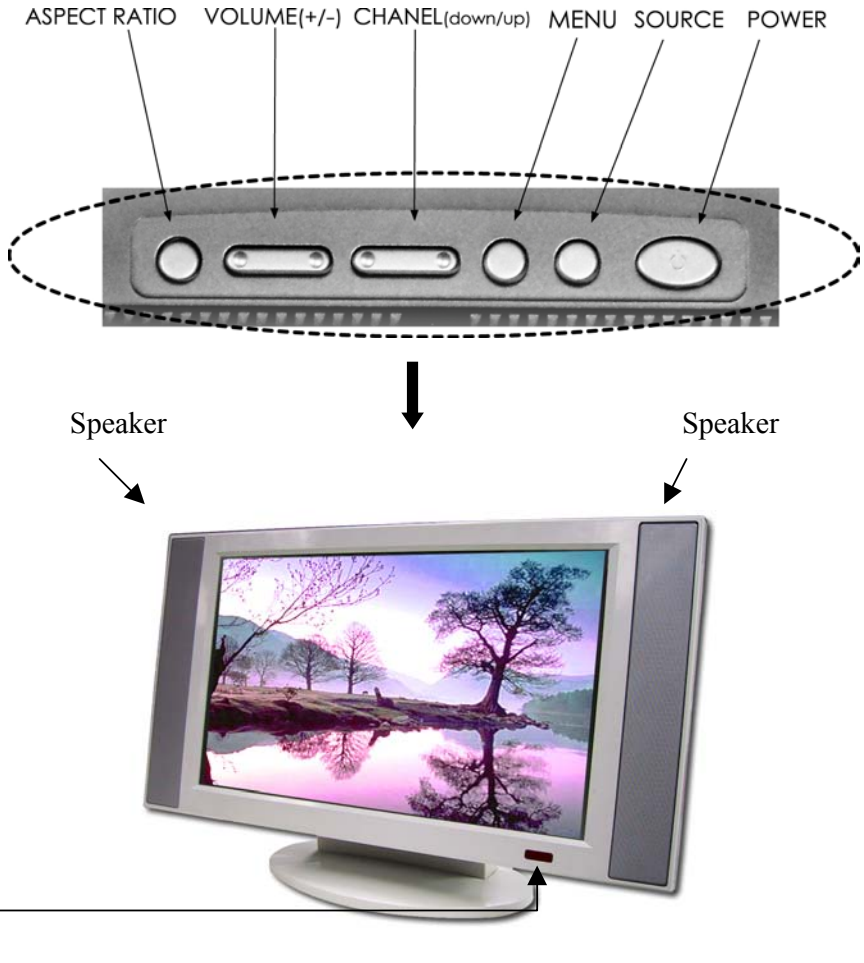
Note:

- **Audio out:** The level of Audio O/P is constant. It won't be affected by aligning volume, treble and bass. This connecter should be connected to outer audio amplifier to enlarge the volume.
- **Video O/P:** When user wants to connect Audio and Video O/P of our LCD-TV to VCR for recording program, the O/P has only one choice that is TV mode.
- **Audio O/P:** IF the main display is TV, the Audio O/P must be TV sound; otherwise, if sub display is TV, the Audio I/P must be selected to "Sub", so that the Audio O/P will be TV sound.

4. Control Location

These buttons control your TV's basic features, include the on-screen mean.
To use the more advanced features, you must the remote control.

POWER:	turn on or turn off the LCD TV.
SOURCE:	set up the input source (PC,VIDEO,SV,TV,CV).
MENU:	display the main menu.
CHANEL (down/up):	change channels on sequence.
VOLUME(+/-):	turn up or turn down the volume.
ASPECT RATIO:	set up the display (Normal, Periscope, Zoom or Full).

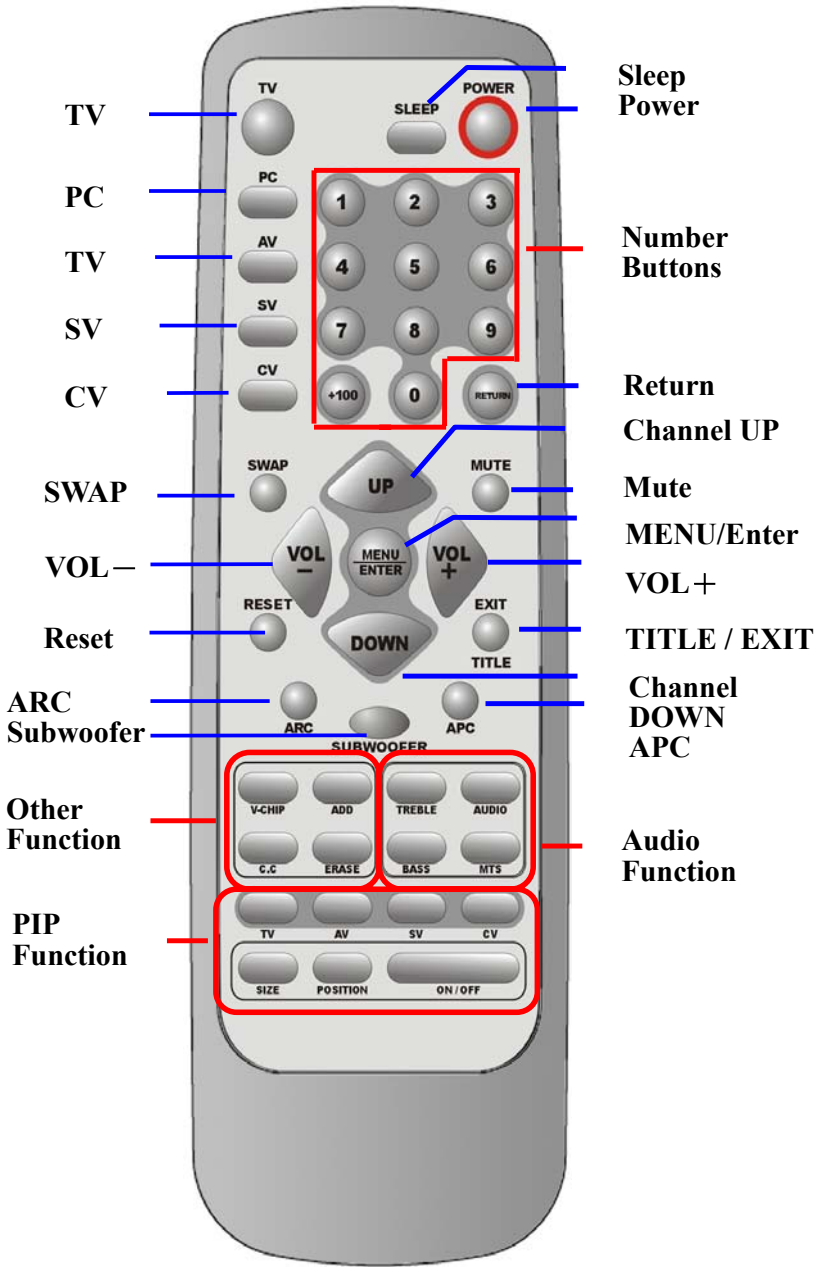


Remote sensor window

Aim the remote control towards this region on the TV.

5. Remote Control

The remote control pad works almost as same as ordinary TV remote control that includes the basic function needed while viewing a live video:



Summary of Control Button

Power control	
Press POWER button	Direct to turn on or turn off the display
Selecting the signal source	
Press TV button	Direct to switch to the TV mode.
Press AV button	Direct to switch to the AV Video mode.
Press SV button	Direct to S-Video mode.
Press CV button	Direct to switch to the Component mode (Y Pb Pr).
Press PC button	Direct to switch to the PC mode.
Menu Setting	
Press MENU/ENTER button	Display the main on-screen menu or enter the next menu.
Press TITLE/EXIT button	Display the current channel digits/Exit from the menu.
Changing Channels	
Press UP button	Press Up to change channel on the TV.
Press DOWN button	Press Down to change channel on the TV.
Press 0~9，+100 button	To select channels directly on the TV.
Press RETURN button	Return to the previous channel on the TV.
Sound Control	
Press VOL+ button	Press to turn up the volume.
Press VOL- button	Press to turn down the volume.
Press MUTE button	Press to temporarily cut off the sound.
Press MTS button	Press to choose stereo, mono or separate audio program supply the multi-channel sound services.
Press AUDIO button	Select present audio is main display or sub display.
Press TREBLE button	Adjust the treble of audio.
Press BASS button	Adjust the bass of audio.
Press SUBWOOFER button.	Open the subwoofer function.
PIP Control	
Press ON/OFF button	Press to watch one of video sources on sub display. Press again to make the sub display disappear.
Press TV、AV、SV、CV button	Press to select one of the PIP window input source.
Press SIZE button	To make the PIP window double, large or small.
Press POSITION button	Press to move the PIP window to：Top Left→Top Right →Bottom Right→Bottom Left→Repeat
Other Function	
Press SWAP button	Change main display and sub display.
Press RESET button	Return to the original factory settings.
Press ARC button	In PC source：Set the picture window to full or normal. In Video source：Set the picture window to normal→ full→periscope→zoom.
Press APC button	Select Normal, Clear, Dark, and Theater mode for picture control.
Press SLEEP button	Press to select a present time interval for shut off.
Press V-CHIP button	Set Parent Control function.
Press C.C button	Set the caption of TV programs show on or off.
Press ADD button	Add the channel of TV programs in TV source.
Press ERASE button	Erase the channel of TV programs in TV source.

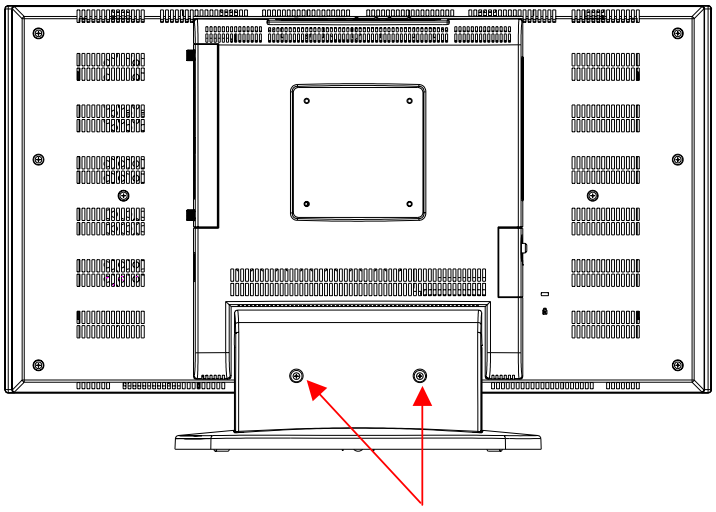
6. Disassembly Instructions

1. Face down the LCD-TV :

Face down the LCD-TV on a smooth plane with a soft material to protect the panel faceplate .

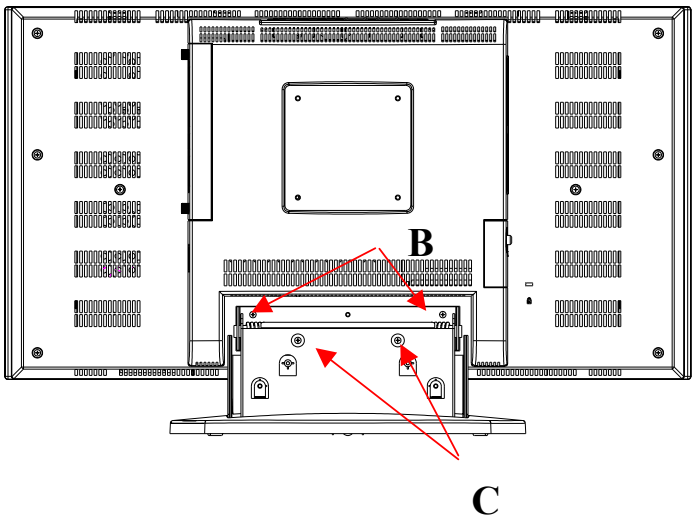
2. Base Neck Removal Procedure :

2.1 Remove 2 screws from Neck Cover. (Indicated as " A ")
Then you could take the Back Cover of neck apart from the LCD-TV.



3. Base Removal Procedure:

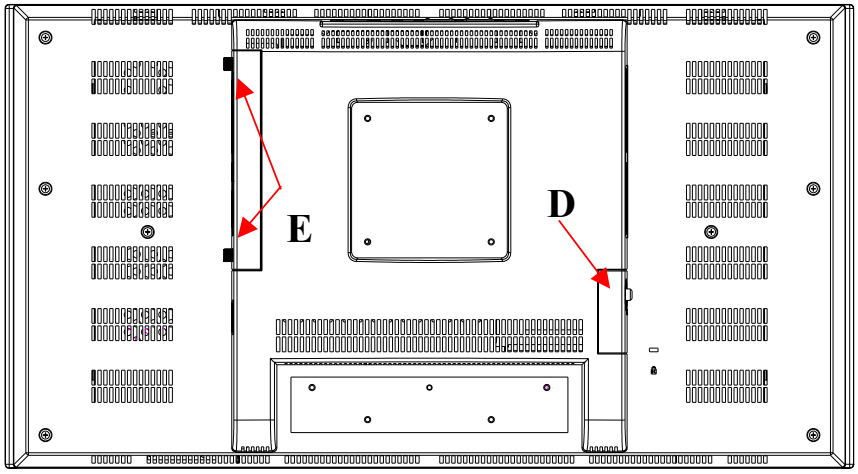
3.1 Remove 4 screws from the Back Cover. (Indicated as " B " and " C ")
Then you could take Base(assembly) apart from the LCD-TV.



4. Tuner Cover & AV Cover Removal Procedure:

4.1 Remove Tuner Cover. (Indicated as “ D ”)

4.2 Remove AV Cover before ,you should be loose the screw (Indicated as “ E ”)



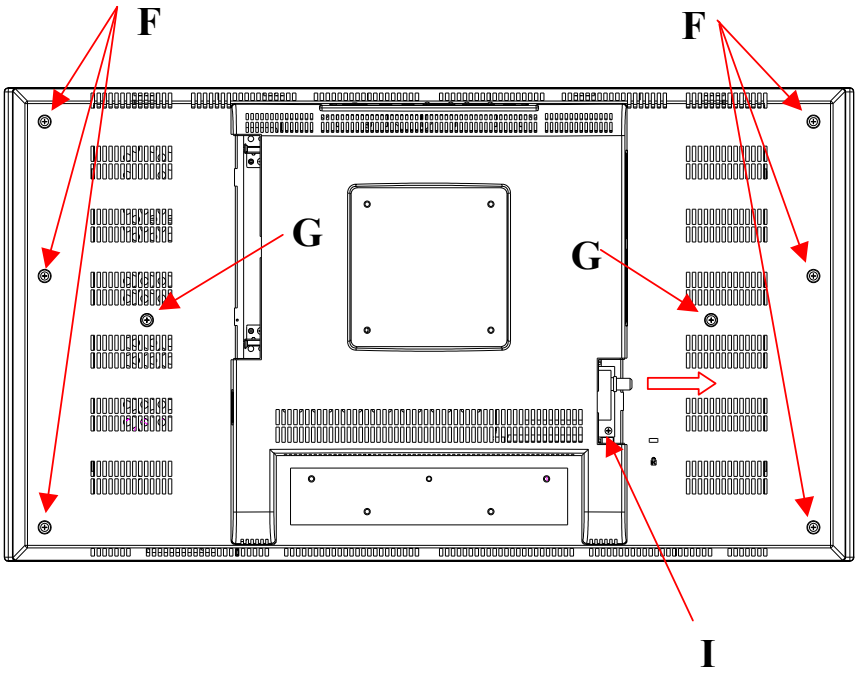
5. Back Cover Removal Procedure:

5.1 Remove 8 screws from the Back Cover . (Indicated as “ F “and “ G “)

5.2 Remove a screw from the Tuner Board. (Indicated as “ I ”)

5.3 Take slide of tuner board.

Then you could take Back Cover apart from the LCD-TV .



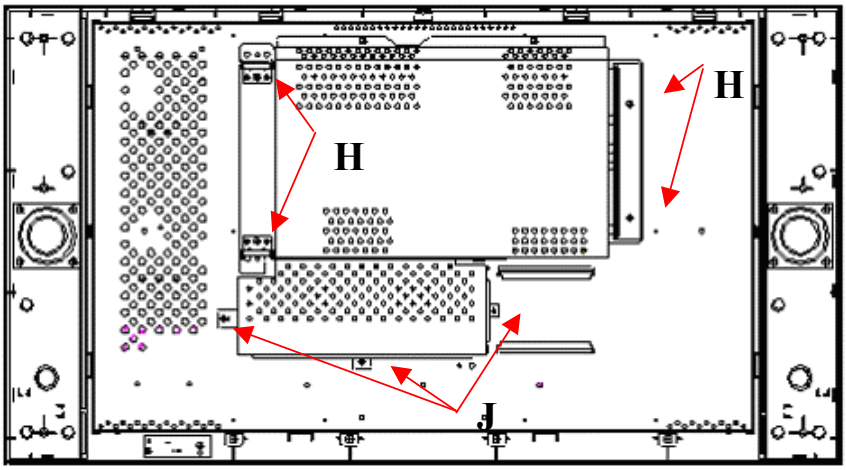
6. Right/Left Side Covers and Tuner Board Removal Procedure:

6.1 Remove 4 screws from Slide of AV PCB & left side Covers. (Indicated as " H ")

6.2 Remove a screw from the Tuner Board. (Indicated as " I ")

6.3 Remove 3 screws from the power case assembly. (Indicated as " J ")

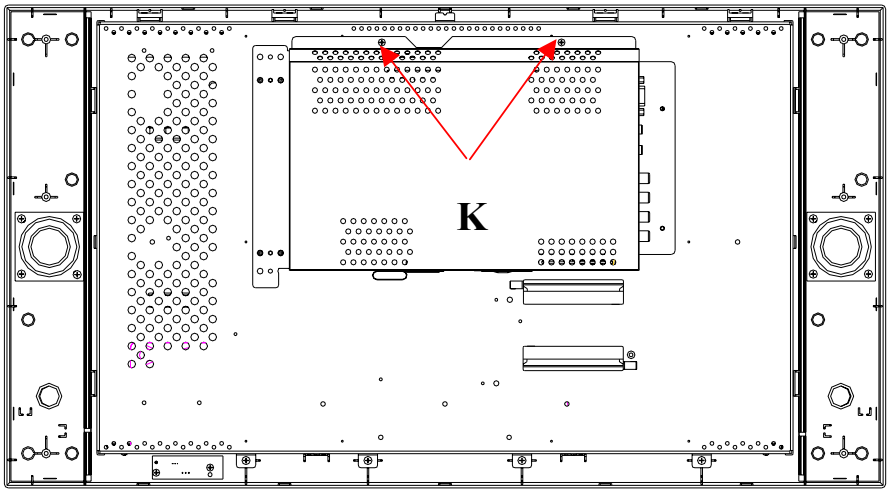
Then you could take Slide of AV PCB , Power case ,and Left Side Covers Removal.



7 Main PCB Shield Removal :

7.1 Remove 2 screws from Main PCB Shield. (Indicated as " K")

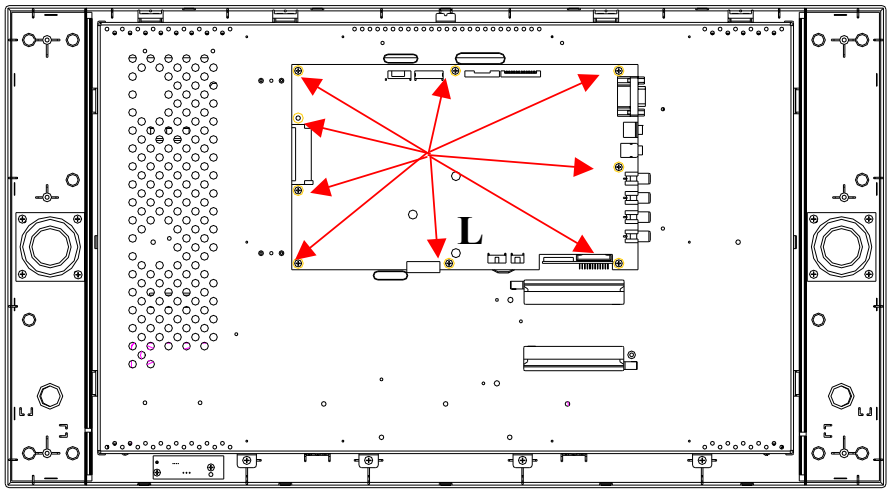
Then you could take Main PCB Shield apart from Main Bracket and the PCB Board will be shown on it .



8. Main PCB Removal procedure :

8-1 Remove 9 screws from the Main PCB . (indicated “ L “)

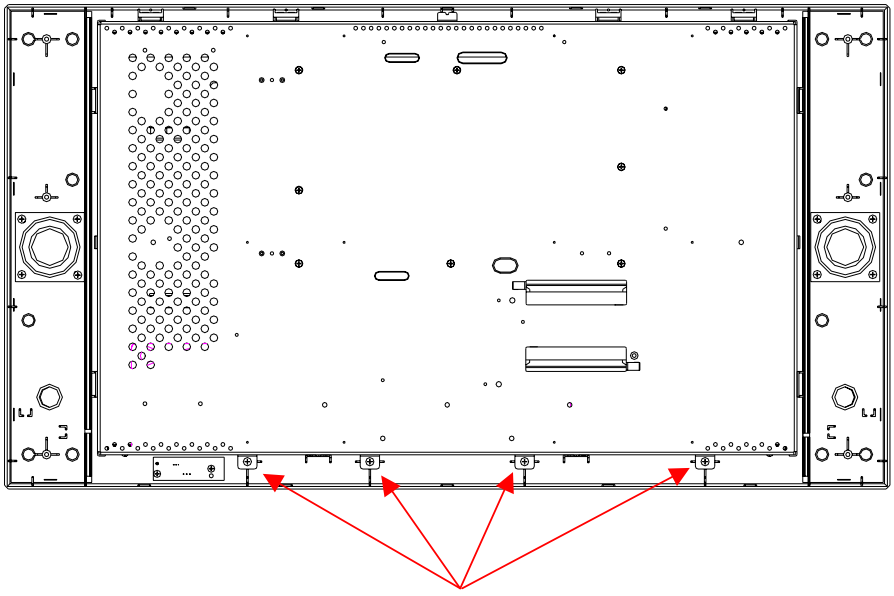
Then you could take Main PCB apart from the LCD-TV .



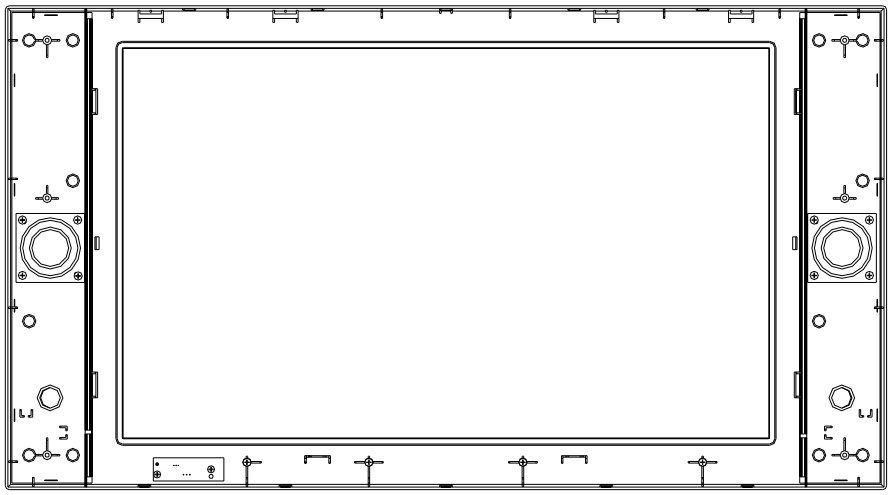
9. Panel Bracket Removal procedure :

9-1 Remove 4 screws from the Panel Bracket . (Indicated as “ M ”)

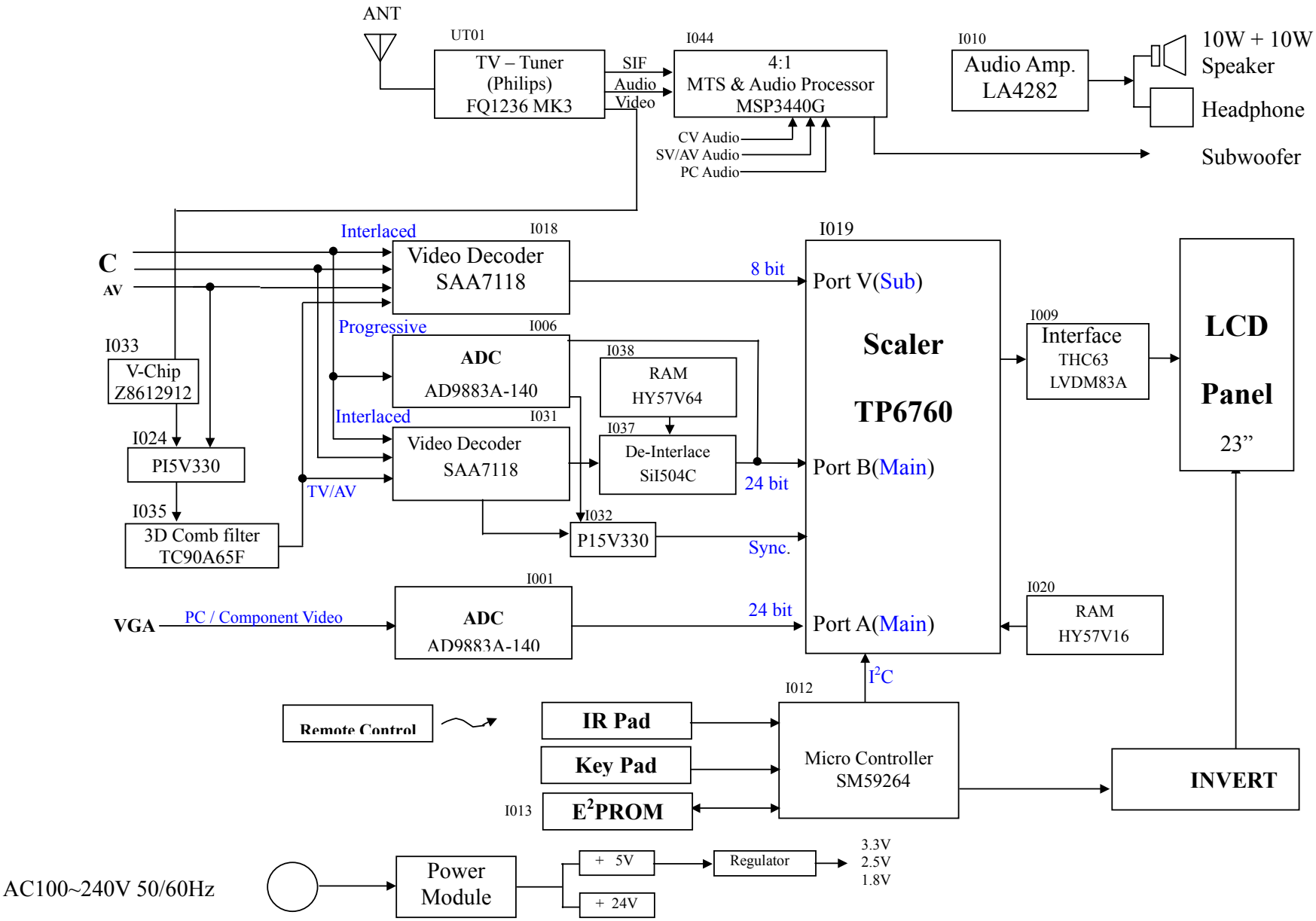
Then you could take Panel Bracket apart from the Front Cover .



M

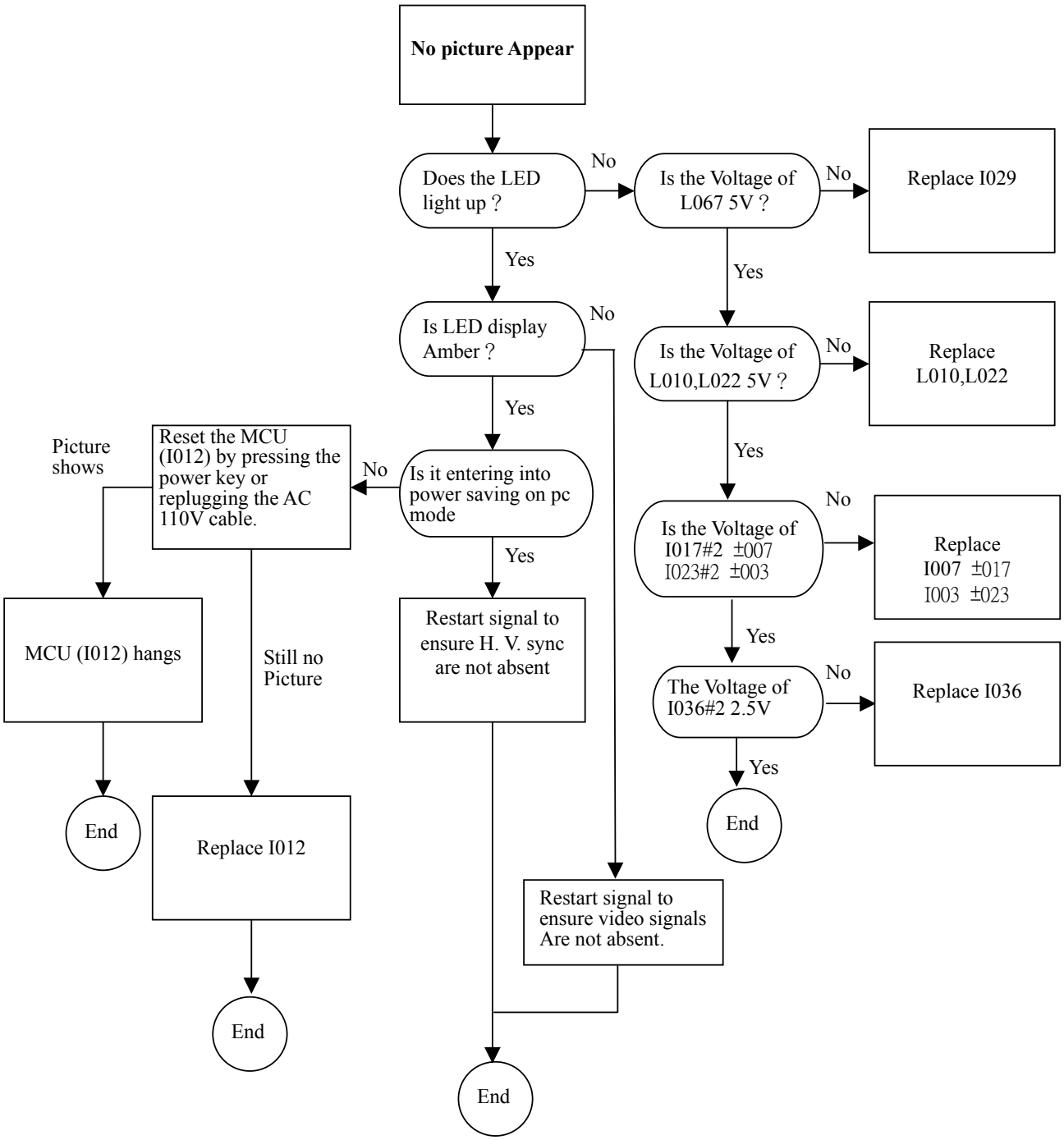


7. Block Diagram

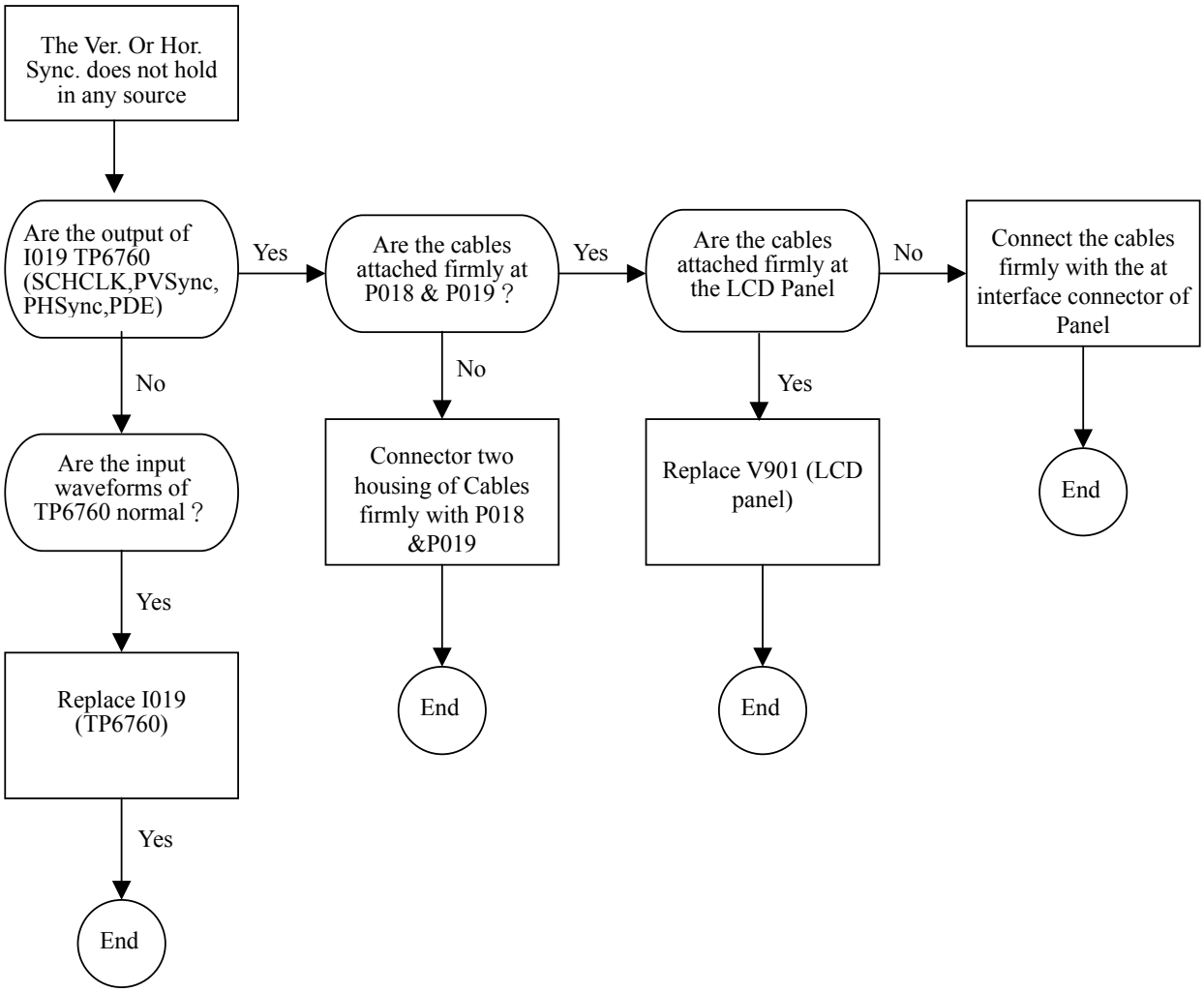


8. Troubleshooting Flow Chart

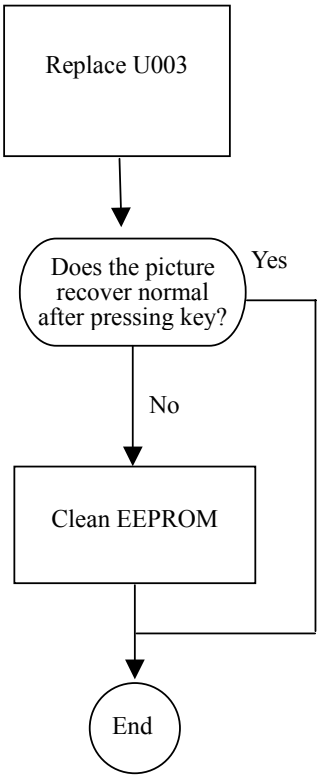
2. (1) Power Start NG



(2) Picture abnormal


The Ver. Or Hor. Sync. does not hold in any source
Are the output of I019 TP6760 (SCHCLK,PVSync, PHSync,PDE)
Yes
Are the cables attached firmly at P018 & P019 ?
Yes
Are the cables attached firmly at the LCD Panel
No
Connect the cables firmly with the at interface connector of Panel
End
No
Yes
No
Are the input waveforms of TP6760 normal ?
Connector two housing of Cables firmly with P018 &P019
Replace V901 (LCD panel)
Yes
Replace I019 (TP6760)
End
End
Yes
End

(3) Picture abnormal



Steps to clean EEPROM

1. Press Power key to turn off the LCD-TV.
2. Press **Power** key quickly to turn on the LCD-TV and then press the **Aspect Ratio** key promptly.
3. When "Initial EEPROM" appears on the screen, on the Clean EEPROM is complete.

Trouble Shooting

1. MCU platform using SyncMos SM59264
2. Label：V30CMTT-U01

TAT	→	Custom
V30CMTT-U01	→	Model No.
M/P 1.0	→	Edition

3. Check Sum：FDEB H
4. BIOS Version：V30C-D02-TAT-MP 1.0-031110
5. EEPROM INITIAL：Power + Channel Up
6. Enter Factory Mode：Power + Menu Key
7. Leave Factory Mode：Power off
8. Self – Test Mode (for Burn in)：Push Menu + Channel Up + Power ON、Key at same time, and then loose Power On Key first、Keep push Menu and Channel Up Keys for 2 seconds，test pattern will appear on the screen(Self-Test Mode can't be disable by disconnecting Power Supply, it must thru. Power Key).
9. Disable Self-Test Mode：Push Power OFF/On Key

9. Electronic Circuit Description

9.1 Main Board Circuit

(1) PC Signal

Refer to circuit diagram sheet 1 of PWB-0610.

The analog R.G.B video input signals are supplied through the 15Pin D-sub cable which is terminated at PJ03. These three input signals are approximately 0.7Vpp in amplitude.

R031、 R032 and R033 give resistance of 75Ω respectively for impedance matching. These R、G、B video signals are ac coupled via 0.047U capacitor C021、C016 、C013 and then fed into the I001 AD converter (AD6883-140) at Pin54、49 and 43 respectively. These analog R、G、B video signals are converted to the their digital forms in I001. The outputs of digital data including 8 bits red、8 bits green、8b bits blue signals are assigned at Pin70 ~ 77、Pin 2 ~ 9 and Pin 12 ~ 19 of I001，and applied to Port A of I019 (Scaler：Tp6760) Hsync & Vsync are applied to I001 (AD9883-140) #30 & #31 and the processed signal taken from #66 & #64 are fed into I019 (Tp6760) #18、#19..

CLK signal is taken from I001 (AD9883-140) #67 and applied to I019 (TP6760) #156.

The LCD-TV is designed to have the DDC/2B FUNCTIONS. Communication between the LCD-TV and computer for DDC is via PJ03 (D-sub connector) #15、#12 which are defined as SCL、SDA signals. The computer will read out the EDID from the I004 (EEPROM) and the EDID data is written into the EEPROM in the factory during production.

(2) AV Signal

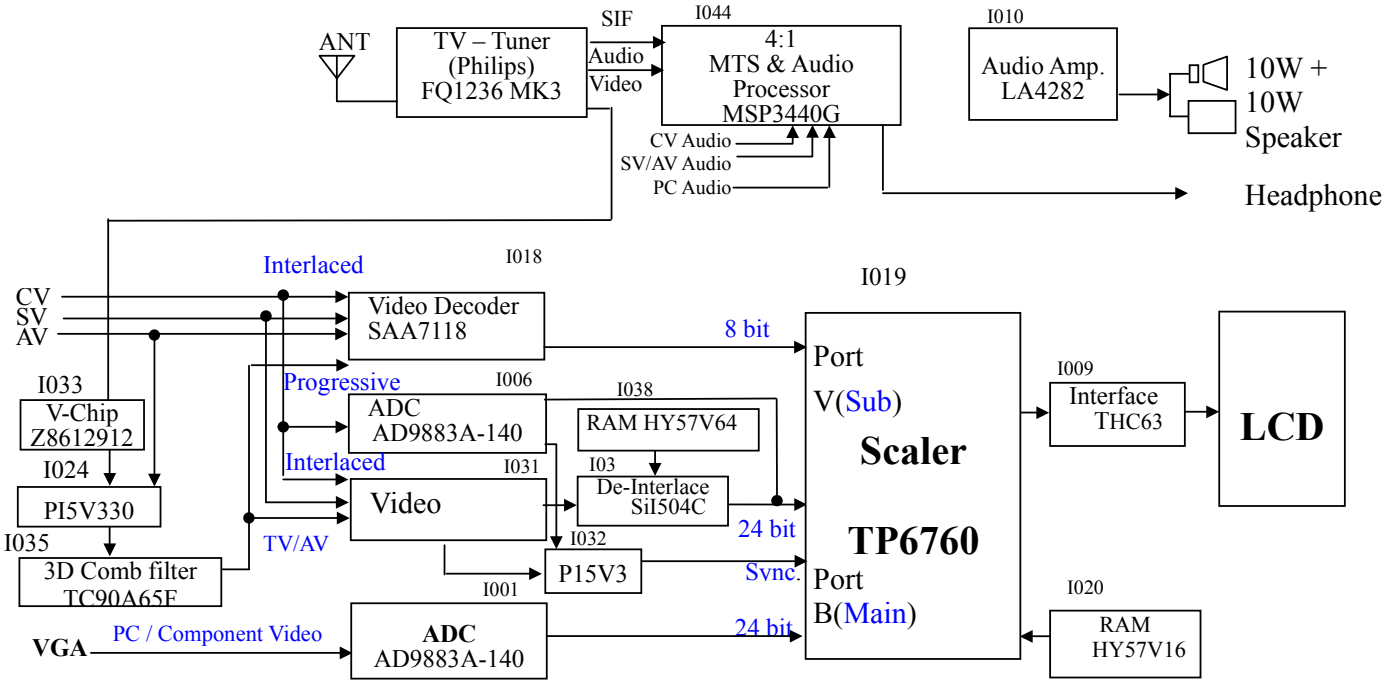
Refer to the page 8 in circuit diagram of PWB-0610.

V27CMTT can process 4 different Video signals，including Composite Video (CVBS)、Separate Video (S-Video) and Component Video (YUV).

Component Video also includes two types Y Cb/Cr and Y Pb/Pr, and I018,I031

SAA7118 is 16 channels analog input. There are 4 A/D in it's I/O port, So it can match this model.

Examples for different of input source signals are listed one by one as follow. (please refer to the circuit diagram)：



(A) TV：

(a) TV signals enter from ANT to Pin#1 of UT01 FQ1236 MK3 Tuner. Pin #14 output Audio MPX signal, while Pin#12 output TV (CVBS) Video signal.

(b) Audio MPX signal does MTS demodulation from I044 (I044 MSP3440G). It can output Audio signal including Mono、 Stereo、Sap and so on. Then through I010 (Audio Power Amp) to Speaker.

(c) After the Video signal to the V-Chip circuit (I025 NJM2244、I033 Z86129、I030 74HC126) to modulate it, output to I031 SAA7118 Video Decoder (Main) or I018 SAA7118 Video Decoder (Sub) circuit to do modulation and Video source exchanges for CVBS signal type. Then CVBS signal changes to the ITU-656 type by I031 or I018 and outputs to I019 Scaler to process. 8 Bit belongs to Data parts, and H sync, V sync, CLK directly connect to Pin#162、163、164 of Scaler. Then R、G、B signal respectively output six bits to panel.

(B) AV / SV / CV (Y Cb Cr)：

After entering from P050 (I/O Board) signal. Enters Pin# A21 / Pin#A12、A22 / Pin#A23、A33、A43 of SAA7118. Except Audio MPX signal, the process type is the same as TV signal.

(C) CV (Y Pb Pr)：

Entering from P50 signal, then enters Pin#43、48、54 of AD9883-110 passed by the matching impedance resister and capacitance. It converts to RGB signal of YUV by I006 and passes to Port B of I019 by six row-resister RP08 ~ RP12. Then output to panel.

(D) Audio：

The rest of Audio source all connect Audio Processor (I044：MSP3440) to each left and right voice channels. Controlled by MCU (I012) and selected through I044, just output one source to Audio Power Amp (I010：LA4232) to Speaker.

(3) MCU

Microcontroller
Refer to circuit diagrams Sheet 5 of 11.
The microcontroller I012 (SyncMOS SM59246) is running with the clock based on 14.318 MHz by X003.

C127 and R096 constitute a reset circuit. It properly the necessary active high reset signal for I012 (Microcontroller) to operator properly. This reset signal is result that is fed into I012 (Pin#10) to provide the necessary system reset for the proper operation of I012.

The signal IR- DAT (Pin#15 of I012) is used for Infrared Receiver. If the IR Received some signal，I012 will send interrupt signal by Pin #2、3 (MSDA、MSCL) to control any chip.

The signal designated AD0 ~ AD7 (Pin36 ~ 43 of I012) are data signal used for transferring data between I012 and I019.
The signal TXD and RXD (Pin#13、11 of I012) are used for debugging during firmware.
I013 (24LC16B) provides necessary non-volatile storage for system operating variables and parameters. It is controlled by I012 via MSDA and MSCL signal, witch pulled-up to +5V voltage with R092 and R093 (10KΩ).

(4) Panel interface

Refer to circuit diagrams Sheet 6 of PWB-0610.
The signals of panel interface are all from I019 to the LCD Panel.
The signal FPVCC (Pin#96 of I019) and MMTB3904 (Q003) control the +5V power to the LCD Panel.
The signals FPBACK and DVD0 (Pin#95、62 of I019) are used for the control of backlight's On / Off state and Panel luminance.
The signals SHFCLK、PDE、PVYSNC、PHSYC come from Pin#90 ~ 94 of I019, and then fed into P005. These four signals are used for panel image display controls.
Pin#A1BLU0 ~ 7、A1GRN0 ~ 7、A1RED0 ~ 7 and B1BLU0 ~ 7、B1GRN0 ~ 7、B1RED0 ~7 are data output from I019 to P005 and P802(to LCD Panel). They are buffered by LP02,LP04,LP06,LP08,LP10,LP12 and filtered associated capacitors. These outputs are organized into even and odd connectors, each with 18 bits.

9.2 Keyboard Circuit & IR Lens board

The keyboard and IR lens circuit are shown in chapter 10-3 of the circuit diagrams.

9.3 Inverter Circuit

The inverter board is fed with +24V through P802#1~#5 on Power module and offers 4.1ma (typical) to ea

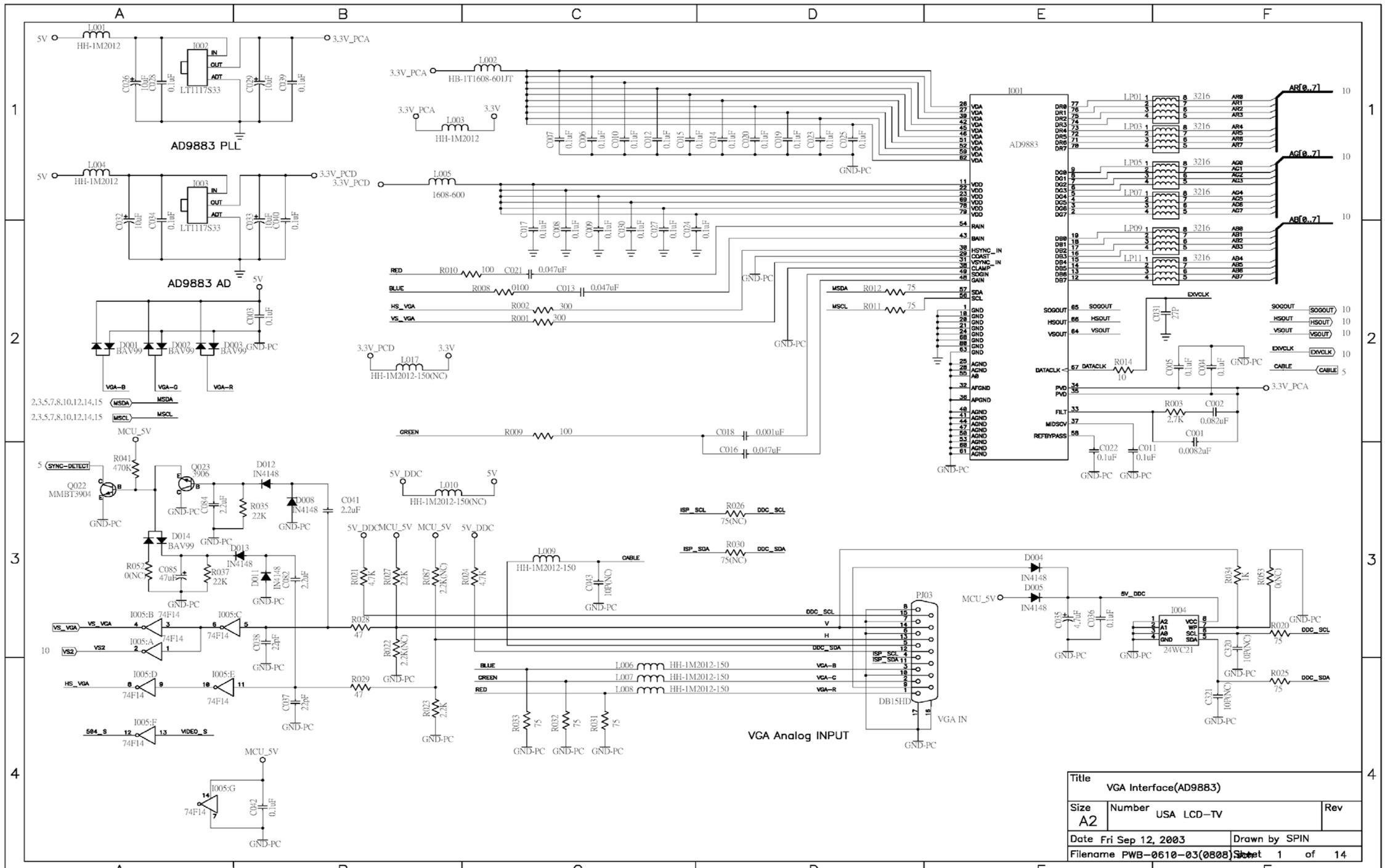
ch lamp of backlight in LCD panel.
The brightness adjusted in OSD menu is to control the voltage at P802#11 while this voltage is offered by I019 (Scaler：TP6760)#62.
The range of the voltage is from 0V to 3.3V. If the voltage of P802#11 is 0V, the screen will get light; if it's 3.3V, the screen will get dim. It means that the different voltage will change the lamp current through the inverter to make the screen lighter or dimmer.

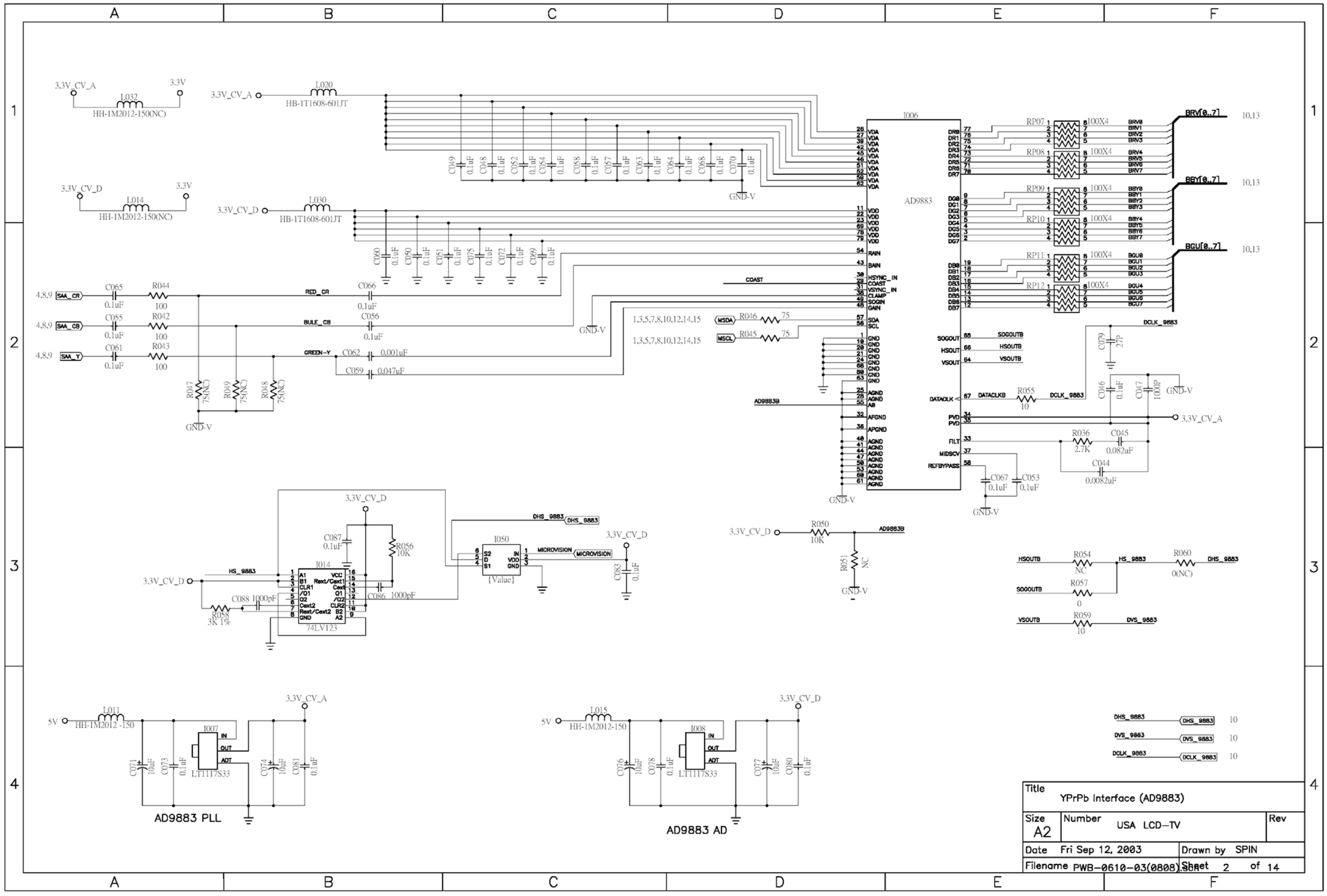
9.4 Power Module

The Power Module circuit shown in chapter 10-6. The Power Module provide +5V +24V though P802 for whole system.

10. Circuit Diagram

10-1 PCB Main Board Circuit




3.3V_CV_A
3.3V
L032
HH-1M2012-150(NC)
L020
HB-1T1608-601JT
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C048 0.1uF
C052 0.1uF
C054 0.1uF
C058 0.1uF
C057 0.1uF
C063 0.1uF
C064 0.1uF
C068 0.1uF
C070 0.1uF
GND-V
3.3V_CV_D
L014
HH-1M2012-150(NC)
L030
HB-1T1608-601JT
C060 0.1uF
C050 0.1uF
C051 0.1uF
C075 0.1uF
C072 0.1uF
C069 0.1uF
I006
AD9883
VDA
VDD
RAIN
GAIN
BAIN
HSYNC_IN
COAST
VSYNC_IN
CLAMP
SOGIN
SDA
SCL
GND
AGND
AB
AFGND
APGND
4,8,9 SAA_CR
4,8,9 SAA_CB
4,8,9 SAA_Y
C065 0.1uF
C055 0.1uF
C061 0.1uF
R044 100
R042 100
R043 100
RED_CR
BULE_CB
GREEN_Y
C066 0.1uF
C056 0.1uF
C062 0.001uF
C059 0.047uF
R047 75(NC)
R049 75(NC)
R048 75(NC)
GND-V
1,3,5,7,8,10,12,14,15
MSDA
MSCL
R046 75
R045 75
AD9883B
RP07 100X4
RP08 100X4
RP09 100X4
RP10 100X4
RP11 100X4
RP12 100X4
BRV[0..7]
BBY[0..7]
BGU[0..7]
10,13
DCLK_9883
SOGOUT
HSOUT
VSOUT
DATACLK
DATACLKB
C079 27P
C046 0.1uF
C047 100P
R055 10
3.3V_CV_A
FILT
MIDSCV
REFBYPASS
R036 2.7K
C045 0.082uF
C044 0.0082uF
C067 0.1uF
C053 0.1uF
3.3V_CV_D
R050 10K
R051 NC
HSOUTB
SOGOUTB
VSOUTB
R054 NC
R057 0
R059 10
R060 0(NC)
HS_9883
DHS_9883
DVS_9883
I014
74LV123
HS_9883
C087 0.1uF
R056 10K
C088 1000pF
C086 1000pF
R058 3K 1%
I050
{Value}
MICROVISION
C083 0.1uF
5V
L011
HH-1M2012 -150
I007
LT1117S33
C071 10uF
C073 0.1uF
C074 10uF
C081 0.1uF
AD9883 PLL
L015
HH-1M2012-150
I008
LT1117S33
C076 10uF
C078 0.1uF
C077 10uF
C080 0.1uF
AD9883 AD
10
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YPrPb Interface (AD9883)
Size A2
Number USA LCD-TV
Rev
Date Fri Sep 12, 2003
Drawn by SPIN
Filename PWB-0610-03(0808).sch
Sheet 2 of 14

I044
MSP3440G
I010
LA4282
P001
P003
P007
PJ11
PJ04
PC_AUDIO IN
X008
18.432MHz
Q001
HTIP42C
Q020
KN3904
D050
SOD-323-2.2V
5V_MSP
GND-AU
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AUDIO Interface
Size
A2
Number
USA LCD-TV
Rev
Date
Fri Sep 12, 2003
Drawn by
SPIN
Filename
PWB-0610-03(0808).sch
Sheet
3
of
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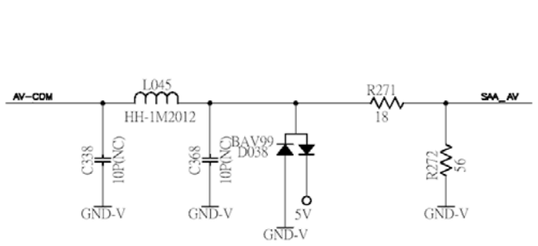

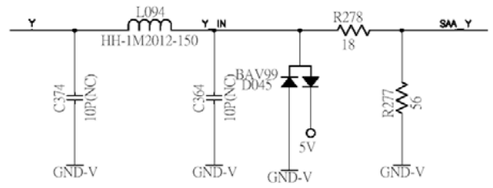

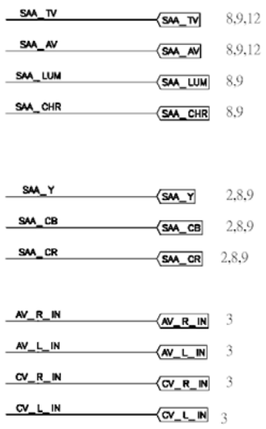

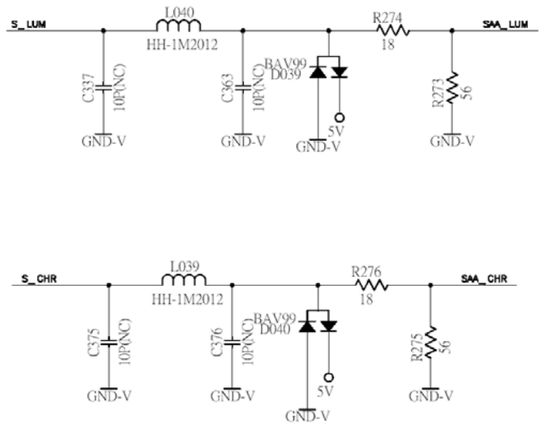

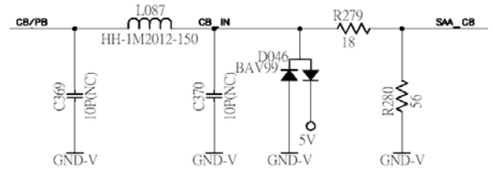

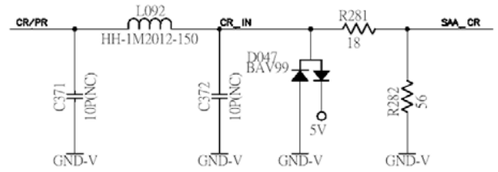

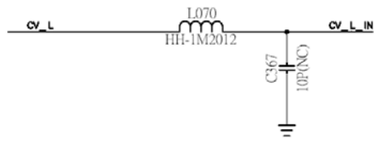

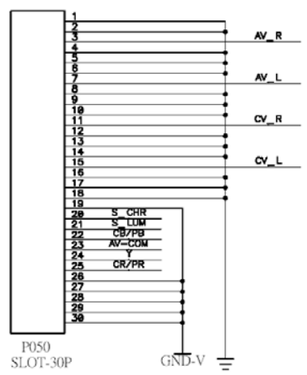

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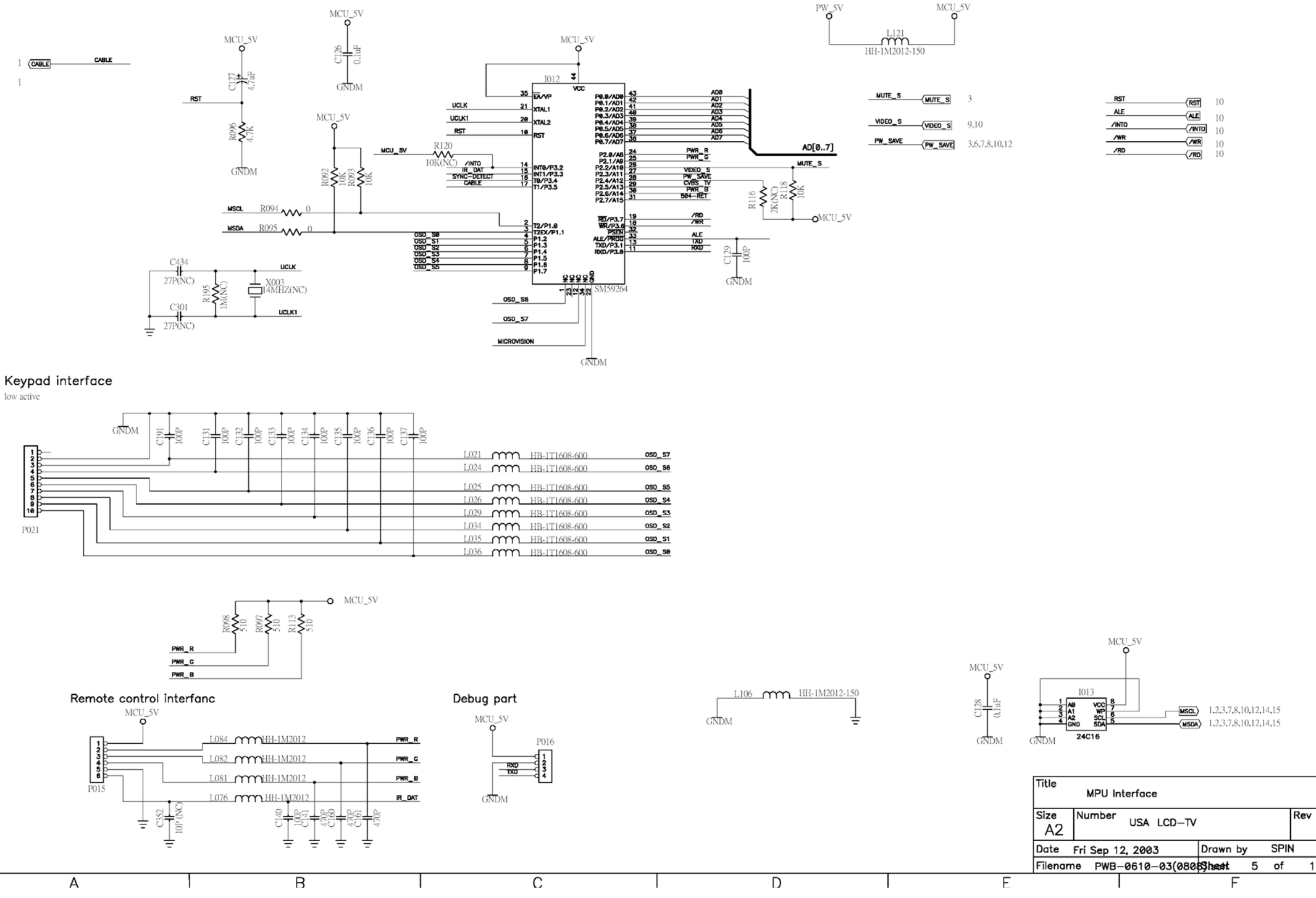
CABLE
MCU_5V
C127 4.7uF
C126 0.1uF
RST
R096 4.7K
GNDM
R092 10K
R093 10K
MSCL
MSDA
R094 0
R095 0
C434 27P(NC)
C301 27P(NC)
R195 1M(NC)
X003 14MHZ(NC)
UCLK
UCLK1
I012
SM59264
VCC
EA/VP
XTAL1
XTAL2
RST
INT0/P3.2
INT1/P3.3
T0/P3.4
T1/P3.5
T2/P1.0
T2EX/P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
GND
R120 10K(NC)
/INTO
IR_DAT
SYNC_DETECT
CABLE
OSD_S0
OSD_S1
OSD_S2
OSD_S3
OSD_S4
OSD_S5
OSD_S6
OSD_S7
MICROVISION
P0.0/AD0
P0.1/AD1
P0.2/AD2
P0.3/AD3
P0.4/AD4
P0.5/AD5
P0.6/AD6
P0.7/AD7
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
AD[0..7]
P2.0/A8
P2.1/A9
P2.2/A10
P2.3/A11
P2.4/A12
P2.5/A13
P2.6/A14
P2.7/A15
PWR_R
PWR_G
VIDEO_S
PW_SAVE
CVBS_TV
PWR_B
504-RET
MUTE_S
R116 2K(NC)
R118 10K
RD/P3.7
WR/P3.6
PSEN
ALE/PROG
TXD/P3.1
RXD/P3.0
/RD
/WR
ALE
TXD
RXD
C129 100P
PW_5V
L121
HH-1M2012-150
MUTE_S 3
VIDEO_S 9,10
PW_SAVE 3,6,7,8,10,12
RST 10
ALE 10
/INTO 10
/WR 10
/RD 10
Keypad interface
low active
GNDM
C191 100P
C131 100P
C132 100P
C133 100P
C134 100P
C135 100P
C136 100P
C137 100P
P021
L021 HB-1T1608-600 OSD_S7
L024 HB-1T1608-600 OSD_S6
L025 HB-1T1608-600 OSD_S5
L026 HB-1T1608-600 OSD_S4
L029 HB-1T1608-600 OSD_S3
L034 HB-1T1608-600 OSD_S2
L035 HB-1T1608-600 OSD_S1
L036 HB-1T1608-600 OSD_S0
R098 510
R097 510
R113 510
PWR_R
PWR_G
PWR_B
Remote control interfanc
P015
L084 HH-1M2012 PWR_R
L082 HH-1M2012 PWR_G
L081 HH-1M2012 PWR_B
L076 HH-1M2012 IR_DAT
CS2 10P (NC)
C140 100P
C141 100P
C160 470P
C161 470P
Debug part
P016
RXD
TXD
L106 HH-1M2012-150
C128 0.1uF
I013
24C16
A0
A1
A2
GND
VCC
WP
SCL
SDA
MSCL 1,2,3,7,8,10,12,14,15
MSDA 1,2,3,7,8,10,12,14,15
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Number USA LCD-TV
Rev
Date Fri Sep 12, 2003
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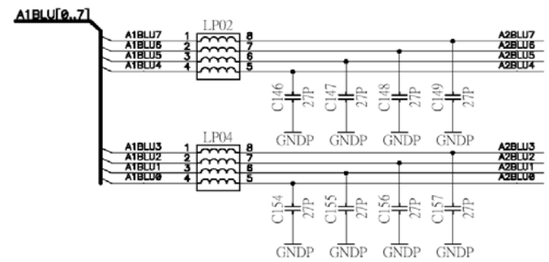
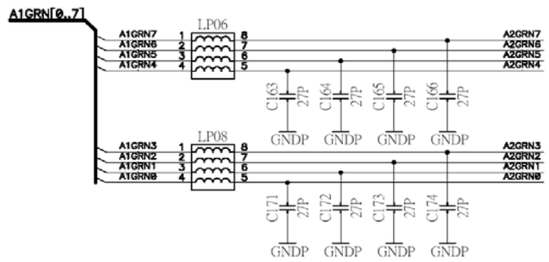
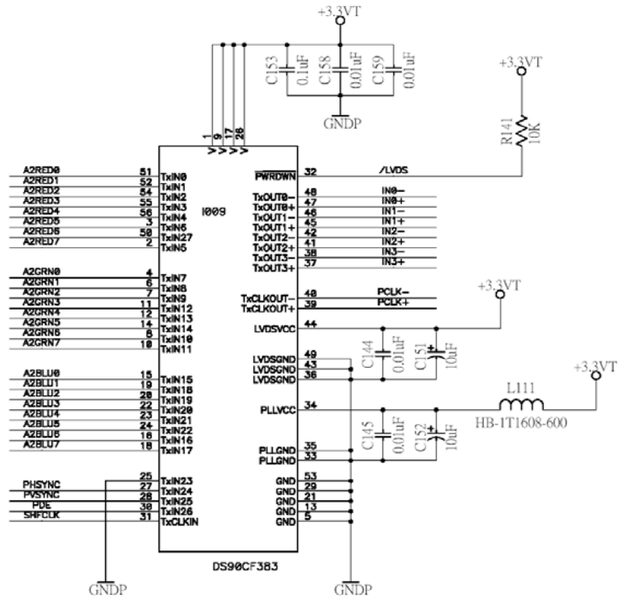
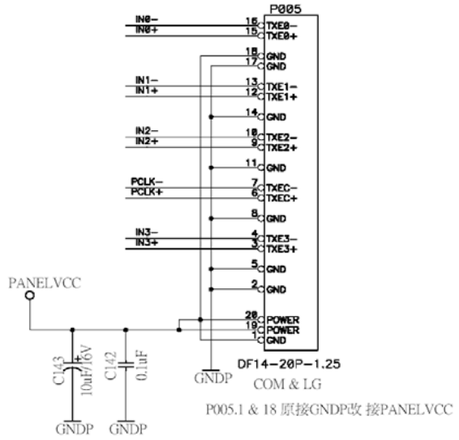
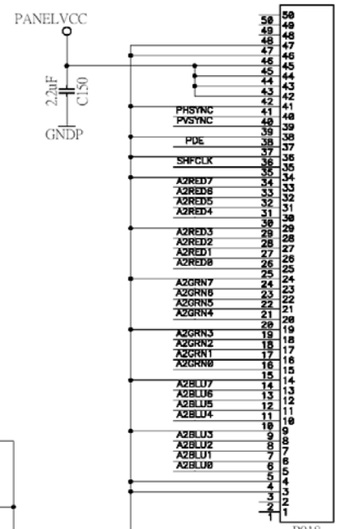
Filename PWB-0610-03(080
Sheet 5 of 14

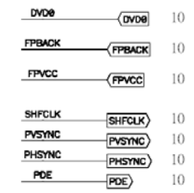


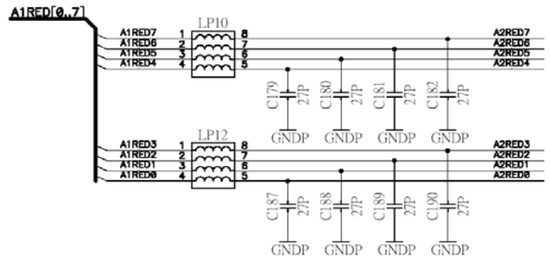


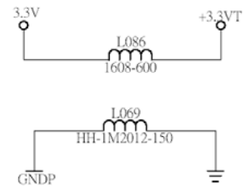


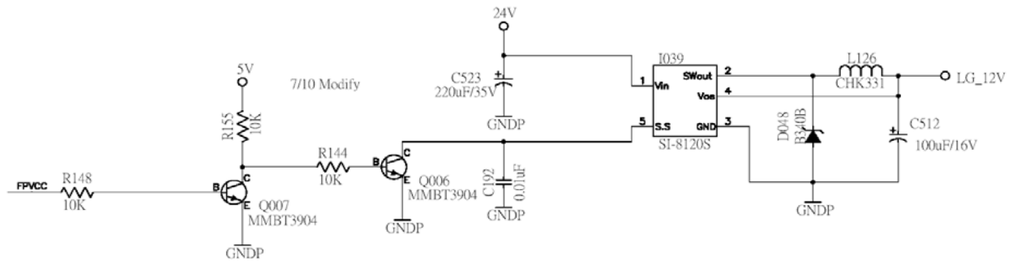


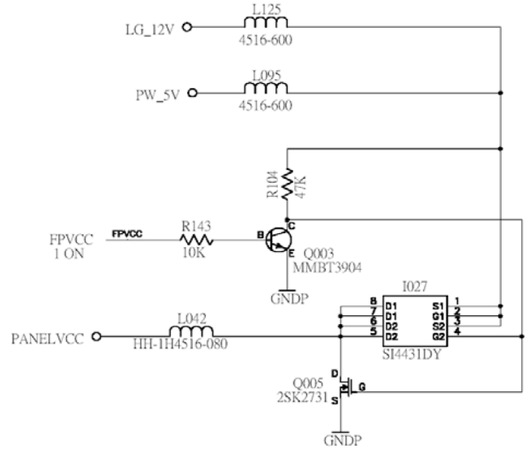












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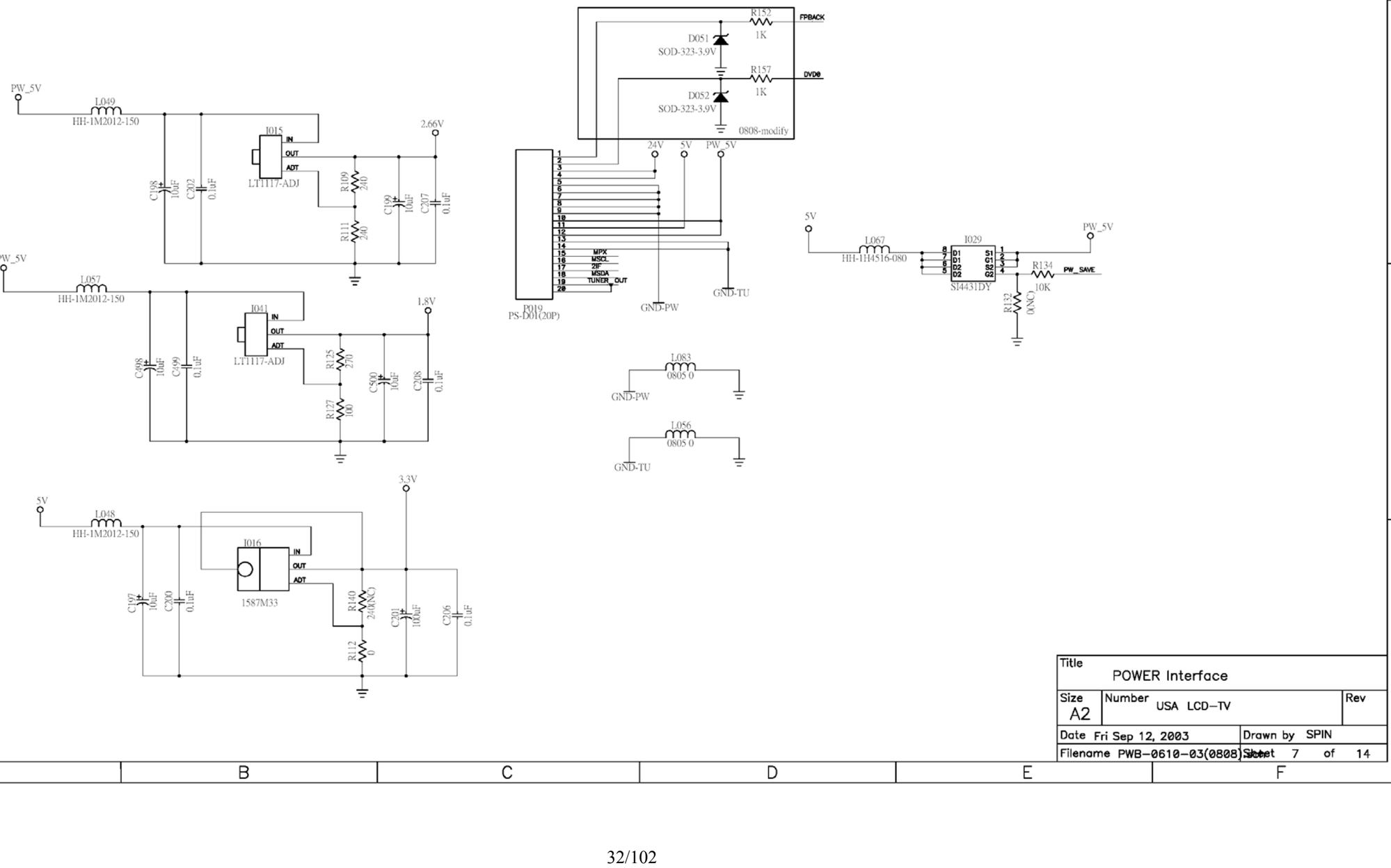
Filename PWB-0610-03(0808).SCH	Sheet 6 of 14


PW_5V
L049
HH-1M2012-150
C198
10uF
C202
0.1uF
I015
IN
OUT
ADT
LT1117-ADJ
2.66V
R109
240
R111
240
C199
10uF
C207
0.1uF
PW_5V
L057
HH-1M2012-150
I041
IN
OUT
ADT
LT1117-ADJ
1.8V
C498
10uF
C499
0.1uF
R125
270
R127
100
C500
10uF
C208
0.1uF
5V
L048
HH-1M2012-150
I016
IN
OUT
ADT
1587M33
3.3V
C197
10uF
C200
0.1uF
R140
240(NC)
R112
0
C201
100uF
C206
0.1uF
R152
1K
FPBACK
D051
SOD-323-3.9V
R157
1K
DVD0
D052
SOD-323-3.9V
0808-modify
24V
5V
PW_5V
MPX
MSCL
2IF
MSDA
TUNER_OUT
P019
PS-D01(20P)
GND-PW
GND-TU
L083
0805 0
GND-PW
L056
0805 0
GND-TU
5V
L067
HH-1H4516-080
I029
SI4431DY
PW_5V
R134
10K
PW_SAVE
R132
0(NC)
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Size
A2
Number
USA LCD-TV
Rev
Date Fri Sep 12, 2003
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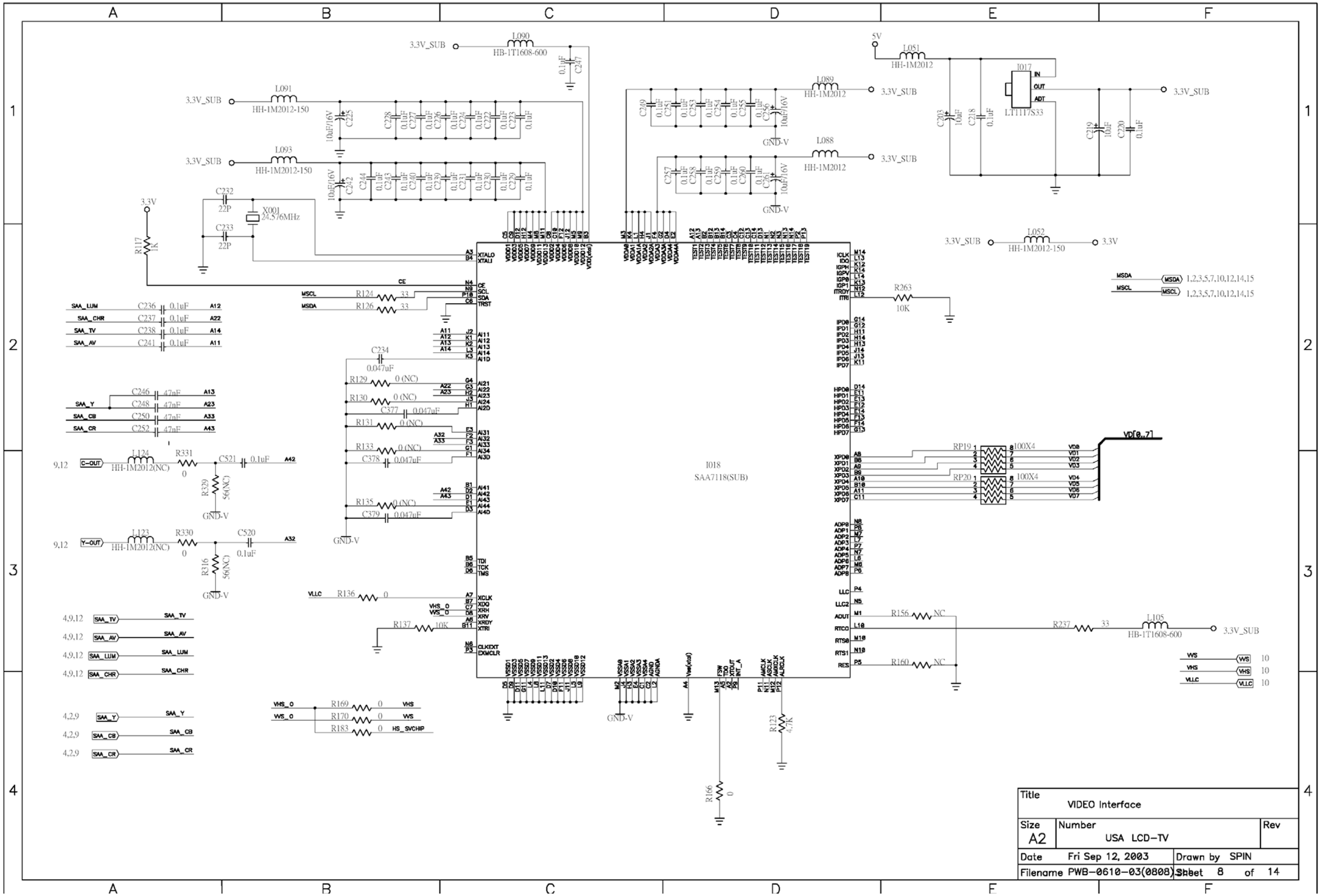
Filename PWB-0610-03(0808).Sch
Sheet 7 of 14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Size
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Number
USA LCD-TV
Rev
Date
Fri Sep 12, 2003
Drawn by
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Filename
PWB-0610-03(0808).Sch
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of
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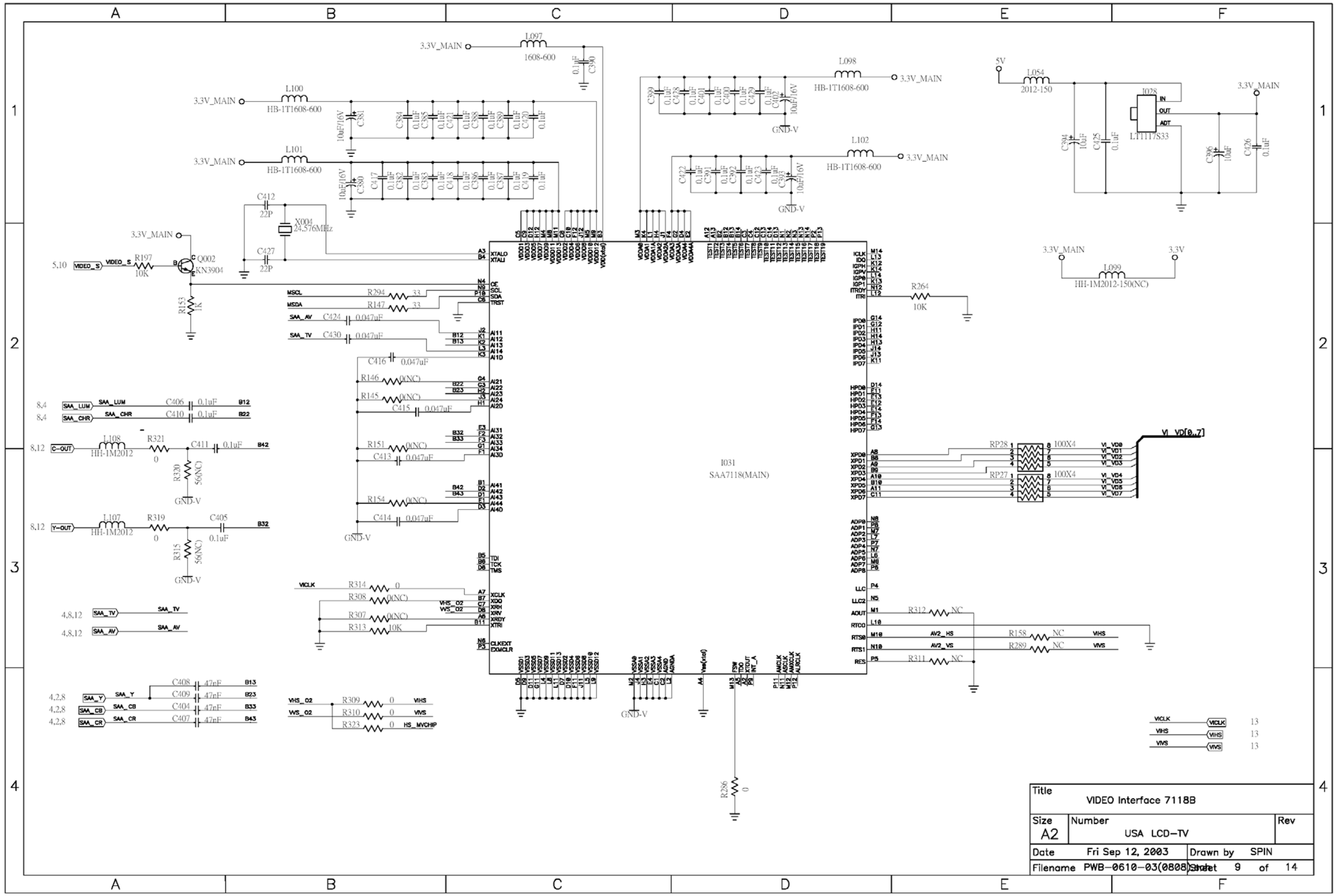
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USA LCD-TV
Rev
Date
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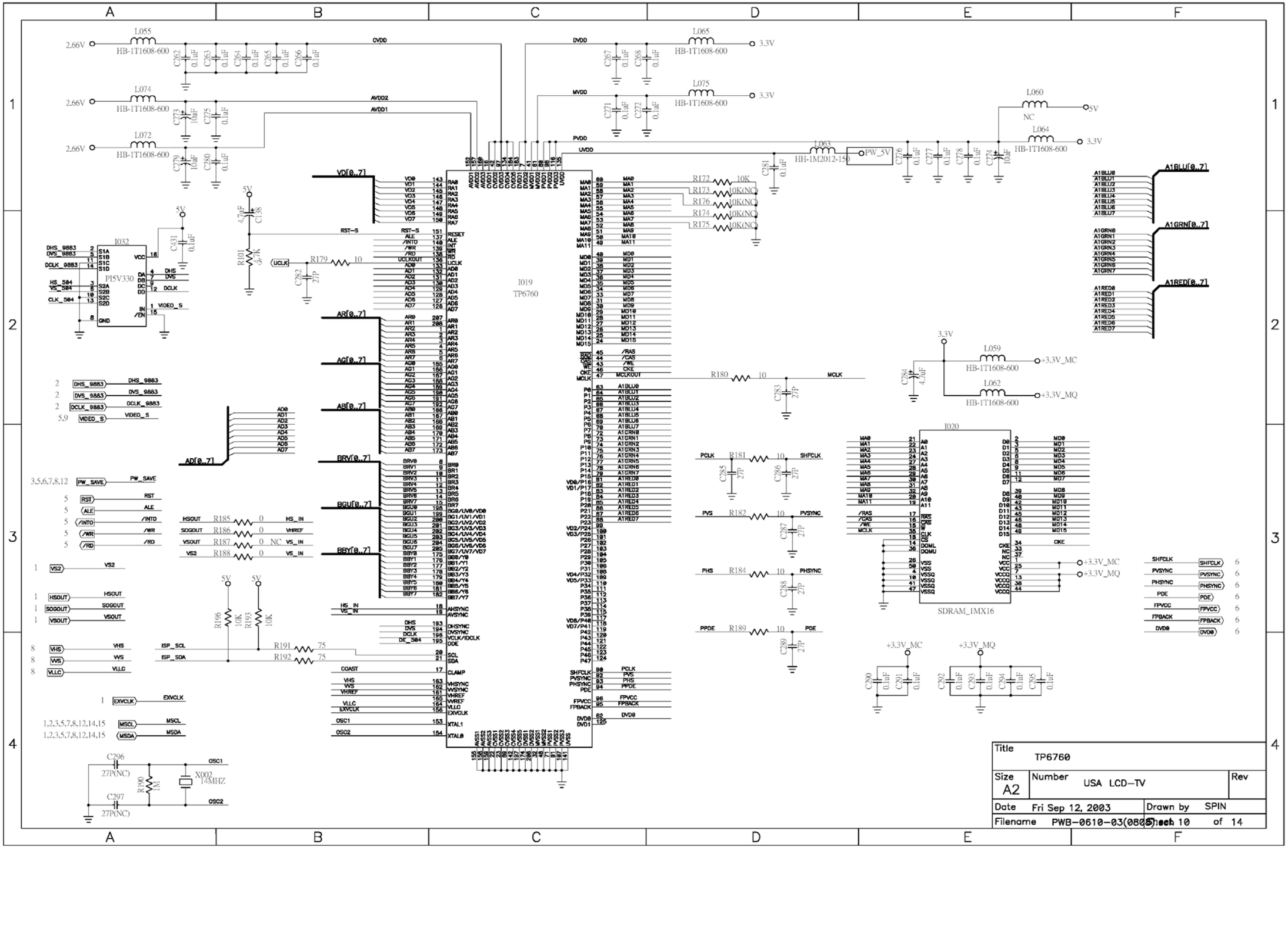
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TP6760
I020
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PI5V330
HB-1T1608-600
HH-1M2012-150
NC
TP6760
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Rev
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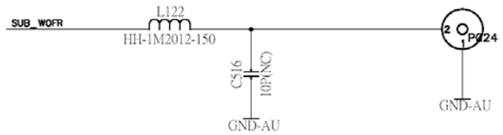
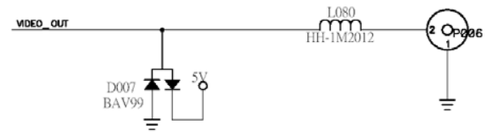
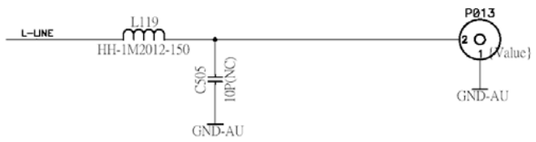
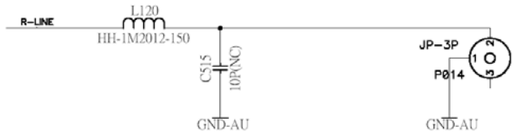
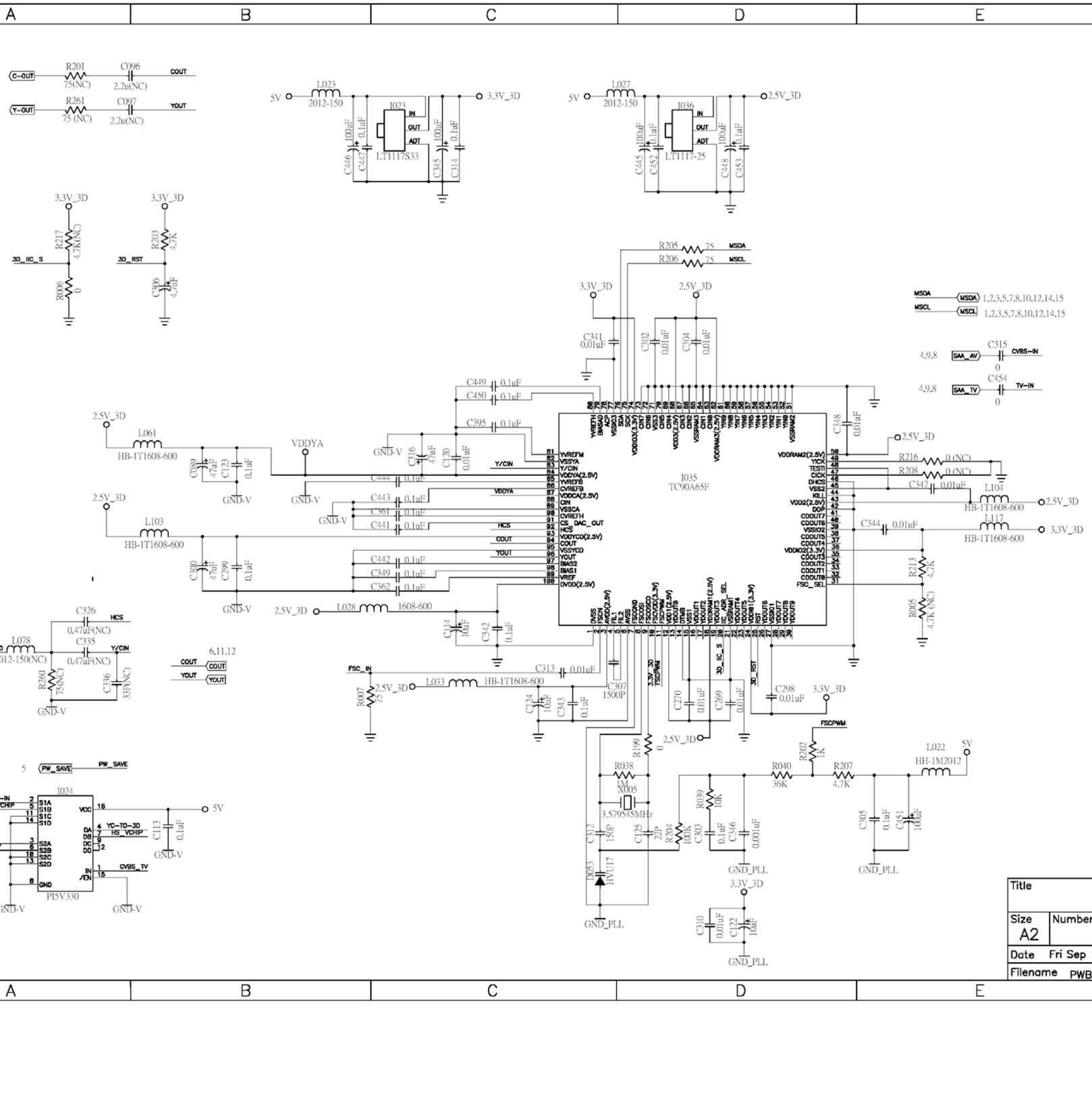


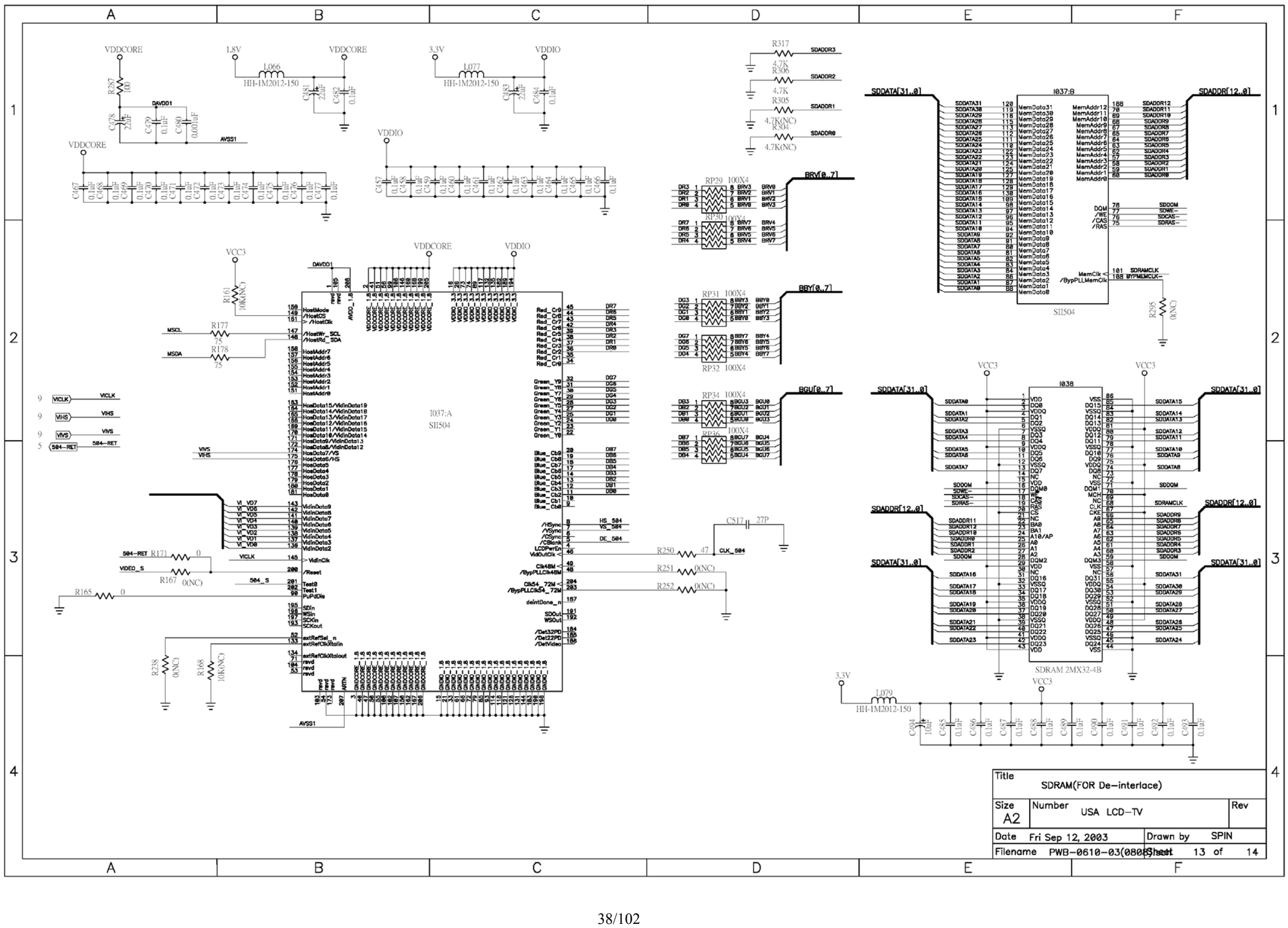


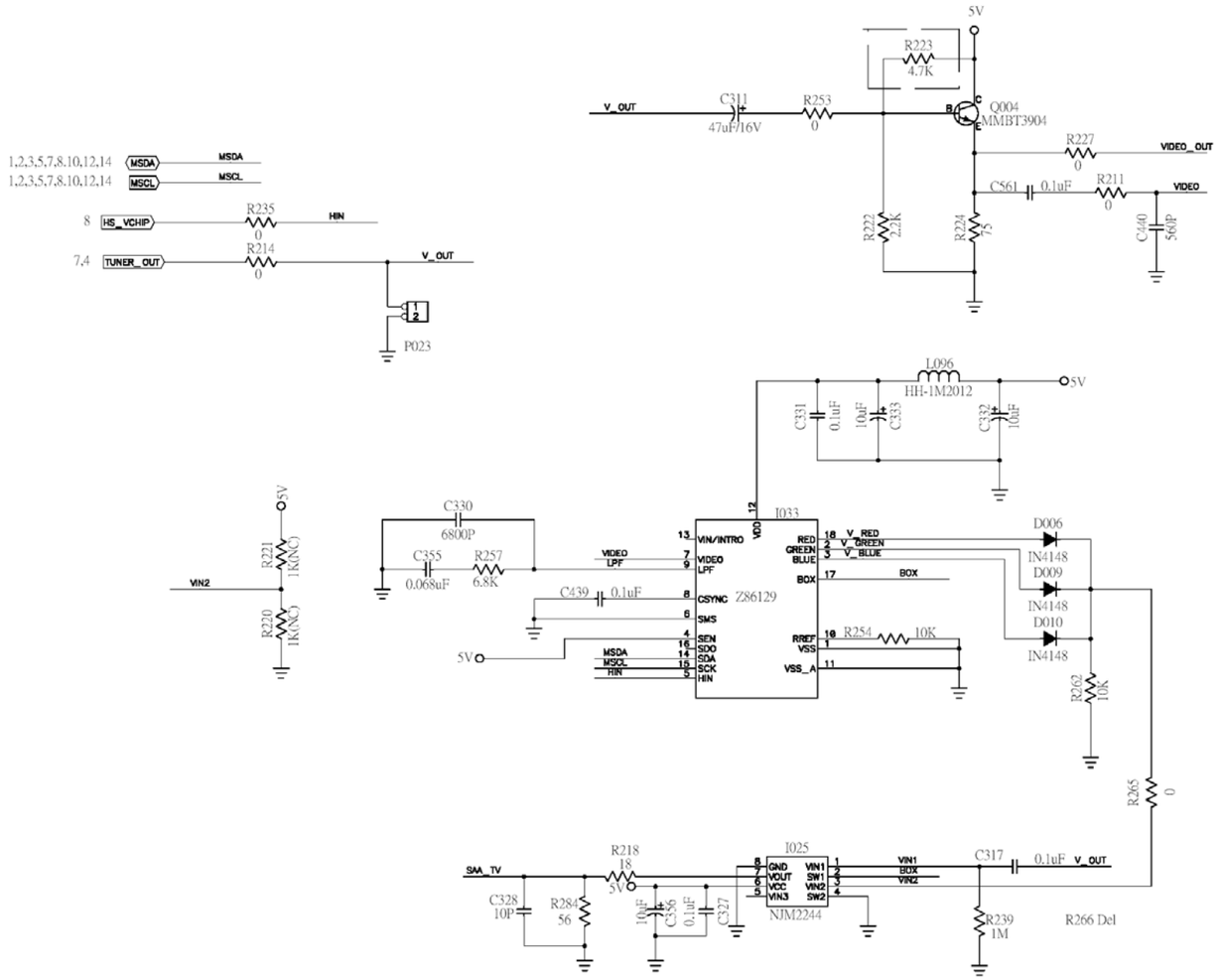




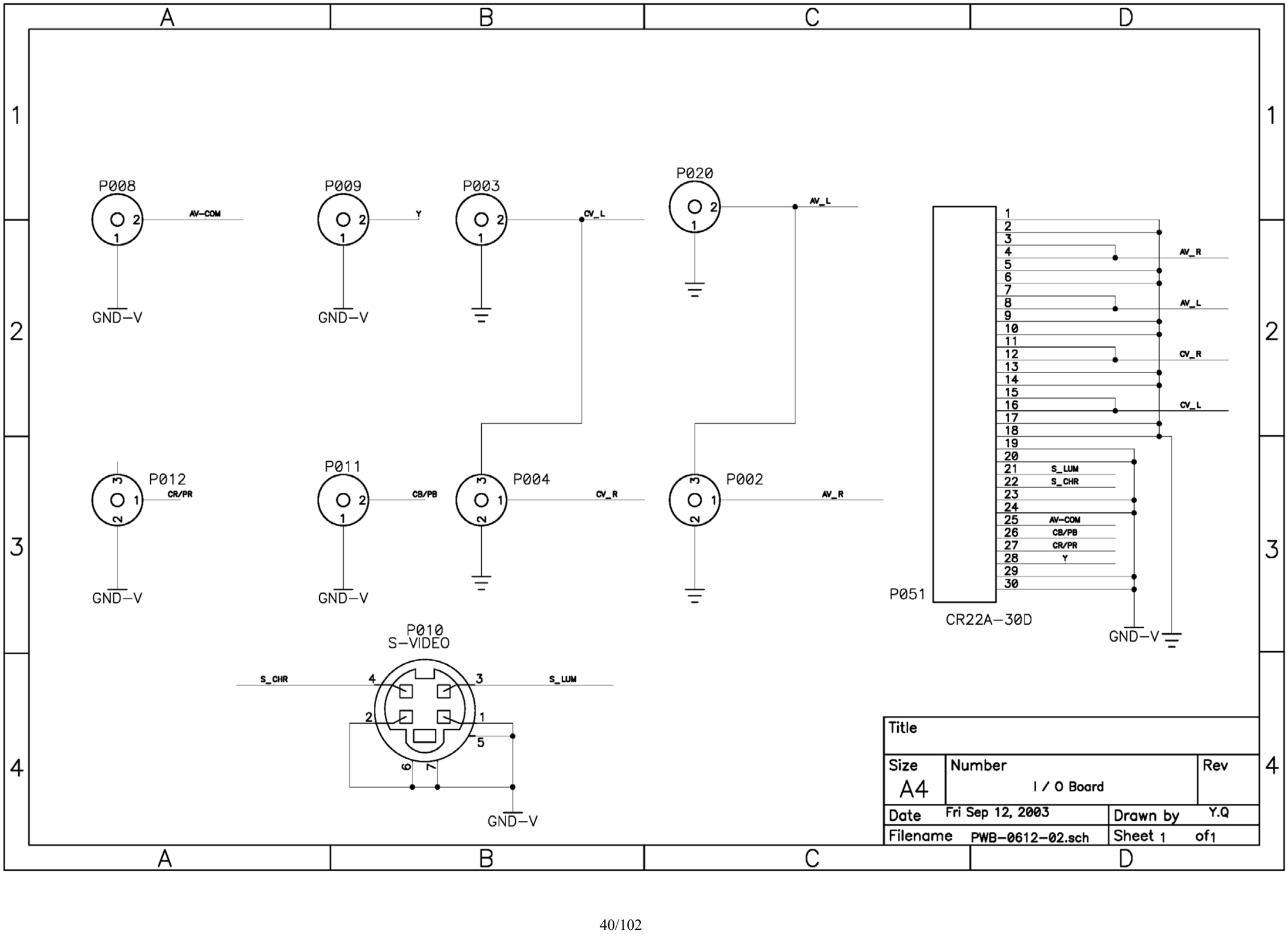
Title	Connector Interface		
Size A2	Number USA LCD-TV		Rev
Date	Fri Sep 12, 2003	Drawn by	SPIN
Filename	PWB-0610-03(0808).Sch	Sheet 11	of 14

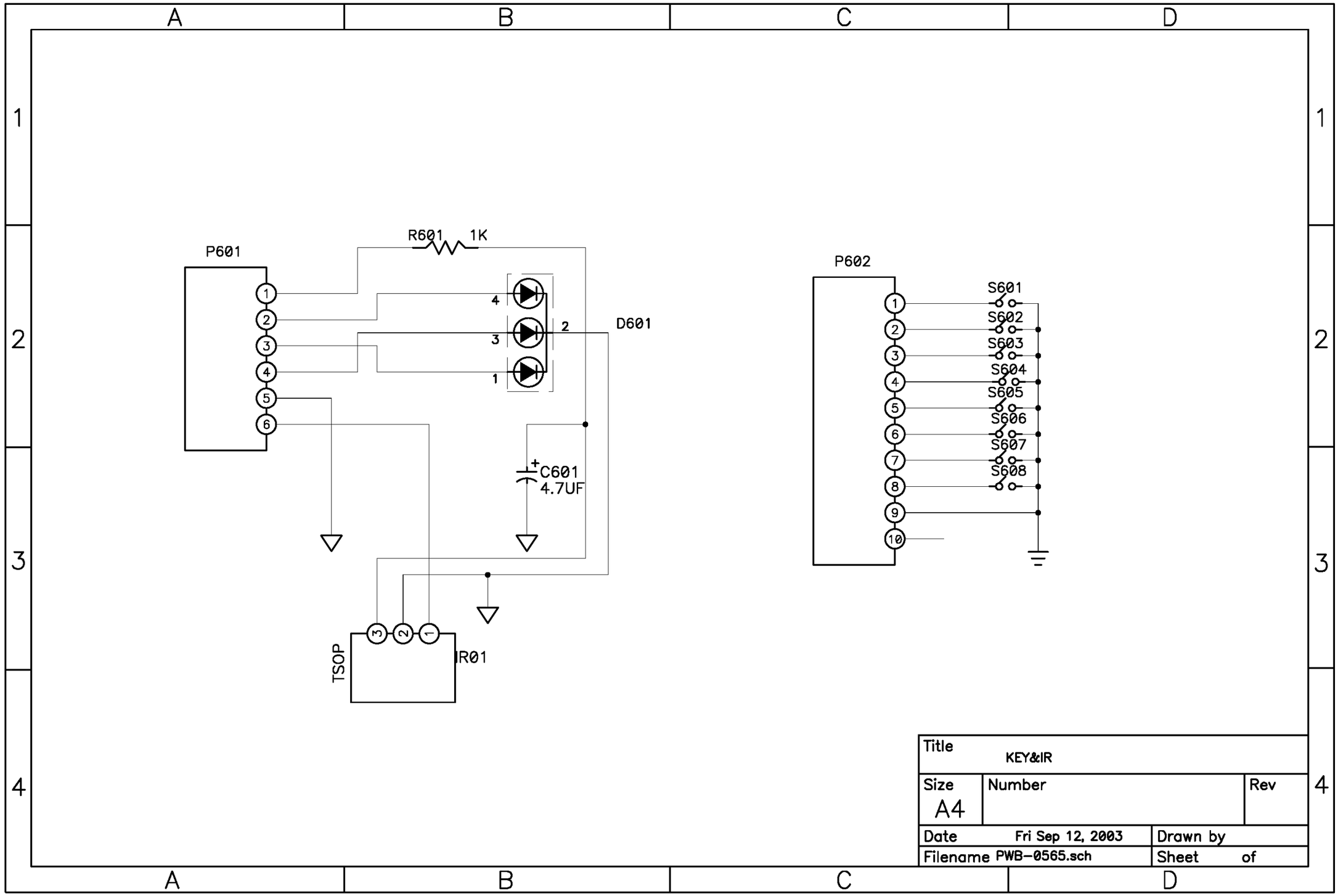

C-OUT
R201 75(NC)
C096 2.2u(NC)
COUT
Y-OUT
R261 75 (NC)
C097 2.2u(NC)
YOUT
5V
L023 2012-150
I023 LT1117S33
3.3V_3D
C446 100uF
C447 0.1uF
C345 100uF
C314 0.1uF
L027 2012-150
I036 LT1117-25
2.5V_3D
C445 100uF
C452 0.1uF
C448 100uF
C453 0.1uF
3.3V_3D
R217 4.7K(NC)
3D_IIC_S
R006 0
R203 4.7K
3D_RST
C306 4.7uF
R205 75 MSDA
R206 75 MSCL
MSDA
MSCL
1,2,3,5,7,8,10,12,14,15
4,9,8 SAA_AV C315 CVBS-IN 0
4,9,8 SAA_TV C454 TV-IN 0
C341 0.01uF
C302 0.01uF
C304 0.01uF
C449 0.1uF
C450 0.1uF
C395 0.1uF
C348 0.01uF
2.5V_3D
L061 HB-1T1608-600
C389 47uF
C123 0.1uF
GND-V
VDDYA
C316 47uF
C120 0.01uF
Y/CIN
C444 0.1uF
C443 0.1uF
C361 0.1uF
C441 0.1uF
HCS
COUT
YOUT
C442 0.1uF
C349 0.1uF
C362 0.1uF
I035 TC90A65F
R216 0 (NC)
R208 0 (NC)
C347 0.01uF
L104 HB-1T1608-600
L103 HB-1T1608-600
C300 47uF
C299 0.1uF
C344 0.01uF
L117 HB-1T1608-600
R213 4.7K
R005 4.7K (NC)
L028 1608-600
C114 100uF
C342 0.1uF
C326 0.47uF(NC)
L078 2012-150(NC)
C335 0.47uF(NC)
R260 75(NC)
C336 33P(NC)
6,11,12
C313 0.01uF
C307 1500P
FSC_IN
R007 75
L033 HB-1T1608-600
C124 100uF
C343 0.1uF
C270 0.01uF
C269 0.01uF
C298 0.01uF
R199 0
R038 0
X005 3.579545MHz
C312 150P
C125 22P
R204 100K
C303 0.1uF
C346 0.001uF
D053 HV117
R039 10K
R040 36K
R202 1K
R207 4.7K
FSCPWM
L022 HH-1M2012
C305 0.1uF
C451 100uF
GND_PLL
C310 0.01uF
C122 10uF
5 PW_SAVE
I024 PI5V330
CVBS-IN
HS_SVCHIP
TV-IN
HS_MVCHIP
YC-TO-3D
HS_VCHIP
CVBS_TV
C113 0.1uF
Title
Size A2
Number USA LCD-TV
Rev
Date Fri Sep 12, 2003
Drawn by SPIN
Filename PWB-0610-03(0808).sch
Sheet 12 of 14


VDDCORE
1.8V
L066
HH-1M2012-150
3.3V
L077
VDDIO
R287 100
C478 2.2uF
C479 0.1uF
C480 0.001uF
DAVDD1
AVSS1
C481 22uF
C482 0.1uF
C483 22uF
C484 0.1uF
C467 0.1uF
C468 0.1uF
C469 0.1uF
C470 0.1uF
C471 0.1uF
C472 0.1uF
C473 0.1uF
C474 0.1uF
C475 0.1uF
C476 0.1uF
C477 0.1uF
C457 0.1uF
C458 0.1uF
C459 0.1uF
C460 0.1uF
C461 0.1uF
C462 0.1uF
C463 0.1uF
C464 0.1uF
C465 0.1uF
C466 0.1uF
VCC3
R161 10K(NC)
MSCL
MSDA
R177 75
R178 75
HostMode
/HostCS
/HostClk
/HostWr_SCL
/HostRd_SDA
HostAddr7
HostAddr6
HostAddr5
HostAddr4
HostAddr3
HostAddr2
HostAddr1
HostAddr0
HostData15/VidInData19
HostData14/VidInData18
HostData13/VidInData17
HostData12/VidInData16
HostData11/VidInData15
HostData10/VidInData14
HostData9/VidInData13
HostData8/VidInData12
HostData7/VS
HostData6/HS
HostData5
HostData4
HostData3
HostData2
HostData1
HostData0
VICLK
VIHS
VIVS
584_RET
I037:A
SII504
VI_VD7
VI_VD6
VI_VD5
VI_VD4
VI_VD3
VI_VD2
VI_VD1
VI_VD0
VidInData9
VidInData8
VidInData7
VidInData6
VidInData5
VidInData4
VidInData3
VidInData2
VidInClk
/Reset
Test0
Test1
PuPdDis
SDIn
WSIn
SCKin
SCKout
extRefSel_n
extRefClkXtalin
extRefClkXtalout
R171 0
VIDEO_S
R167 0(NC)
584_S
R165 0
R238 0(NC)
R168 10K(NC)
AVSS1
VDDCORE
VDDIO
Red_Cr9
Red_Cr8
Red_Cr7
Red_Cr6
Red_Cr5
Red_Cr4
Red_Cr3
Red_Cr2
Red_Cr1
Red_Cr0
Green_Y9
Green_Y8
Green_Y7
Green_Y6
Green_Y5
Green_Y4
Green_Y3
Green_Y2
Green_Y1
Green_Y0
Blue_Cb9
Blue_Cb8
Blue_Cb7
Blue_Cb6
Blue_Cb5
Blue_Cb4
Blue_Cb3
Blue_Cb2
Blue_Cb1
Blue_Cb0
/HSync
/VSync
/CSync
/CBlank
LCDPwrEn
VidOutClk
Clk48M
/BypPLLClk48M
Clk54_72M
/BypPLLClk54_72M
deintDone_n
SDOut
WSOut
/Det32PD
/Det22PD
/DetVideo
HS_584
VS_584
DE_584
CS17 27P
R250 47
CLK_584
R251 0(NC)
R252 0(NC)
R317 4.7K
R306 4.7K
R305 4.7K(NC)
R304 4.7K(NC)
SDADDR3
SDADDR2
SDADDR1
SDADDR0
RP29 100X4
RP30 100X4
BRV[0..7]
RP31 100X4
RP32 100X4
BBY[0..7]
RP34 100X4
RP36 100X4
BGU[0..7]
SDDATA[31..0]
SDADDR[12..0]
I037:B
SII504
SDRAMCLK
SDDQM
SDWE-
SDCAS-
SDRAS-
R205 0(NC)
I038
SDRAM 2MX32-4B
3.3V
L079
HH-1M2012-150
C494 10uF
C485 0.1uF
C486 0.1uF
C487 0.1uF
C488 0.1uF
C489 0.1uF
C490 0.1uF
C491 0.1uF
C492 0.1uF
C493 0.1uF
Title
SDRAM(FOR De-interlace)
Size A2
Number USA LCD-TV
Rev
Date Fri Sep 12, 2003
Drawn by SPIN
Filename PWB-0610-03(0805).Sch
Sheet 13 of 14

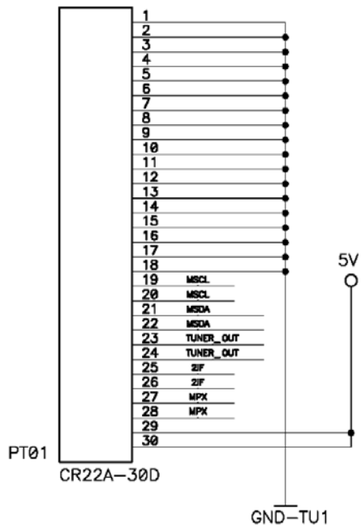


Title	V-CHIP
Size	A2
Number	USA LCD-TV
Rev	
Date	Fri Sep 12, 2003
Drawn by	SPIN
Filename	PWB-0610-03(0808).sch
Sheet	14 of 14

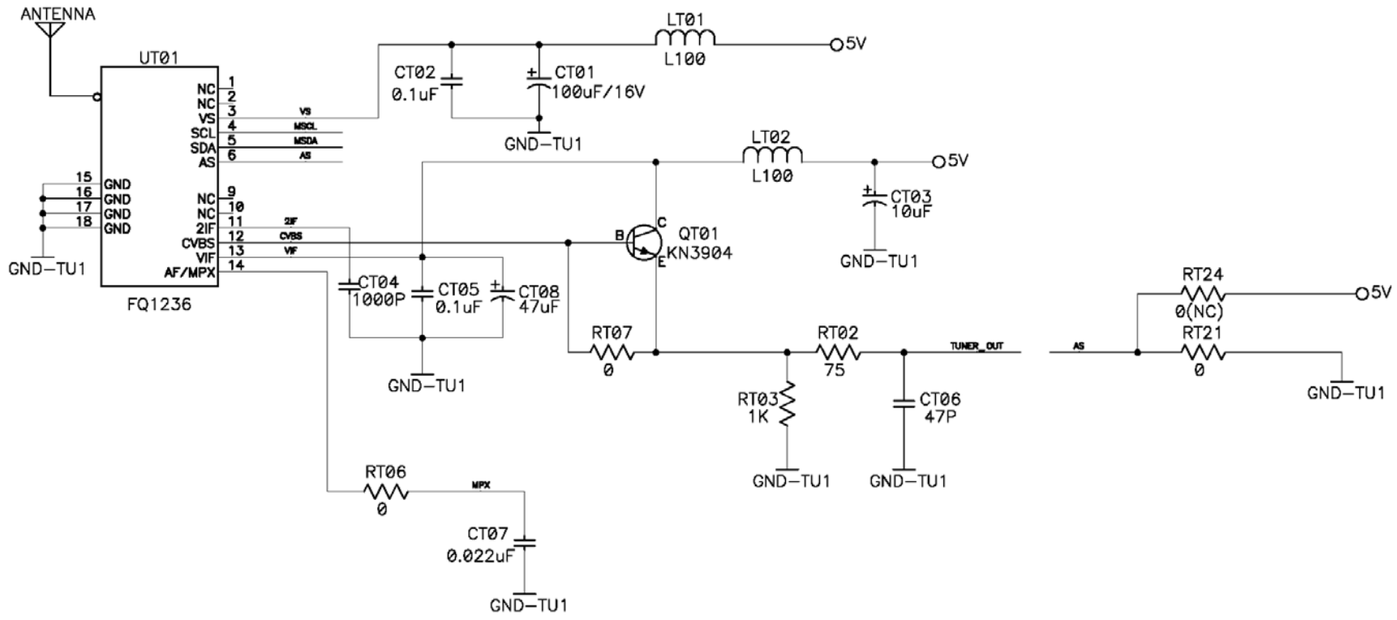

A
B
C
D
1
2
3
4
P008
AV-COM
GND-V
P009
Y
GND-V
P003
CV_L
P020
AV_L
P012
CR/PR
GND-V
P011
CB/PB
GND-V
P004
CV_R
P002
AV_R
P010
S-VIDEO
S_CHR
S_LUM
GND-V
P051
CR22A-30D
AV_R
AV_L
CV_R
CV_L
S_LUM
S_CHR
AV-COM
CB/PB
CR/PR
Y
GND-V
Title
Size
A4
Number
I / O Board
Rev
Date
Fri Sep 12, 2003
Drawn by
Y.Q
Filename
PWB-0612-02.sch
Sheet 1
of1


A
B
C
D
1
2
3
4
P601
R601
1K
D601
C601
4.7UF
TSOP
IR01
P602
S601
S602
S603
S604
S605
S606
S607
S608
Title
KEY&IR
Size
A4
Number
Rev
Date
Fri Sep 12, 2003
Drawn by
Filename
PWB-0565.sch
Sheet
of

Connector

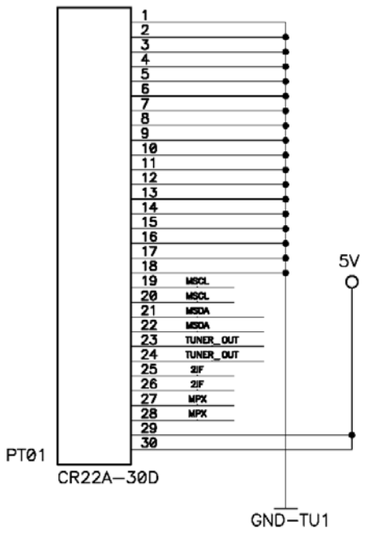


Tuner Power Control

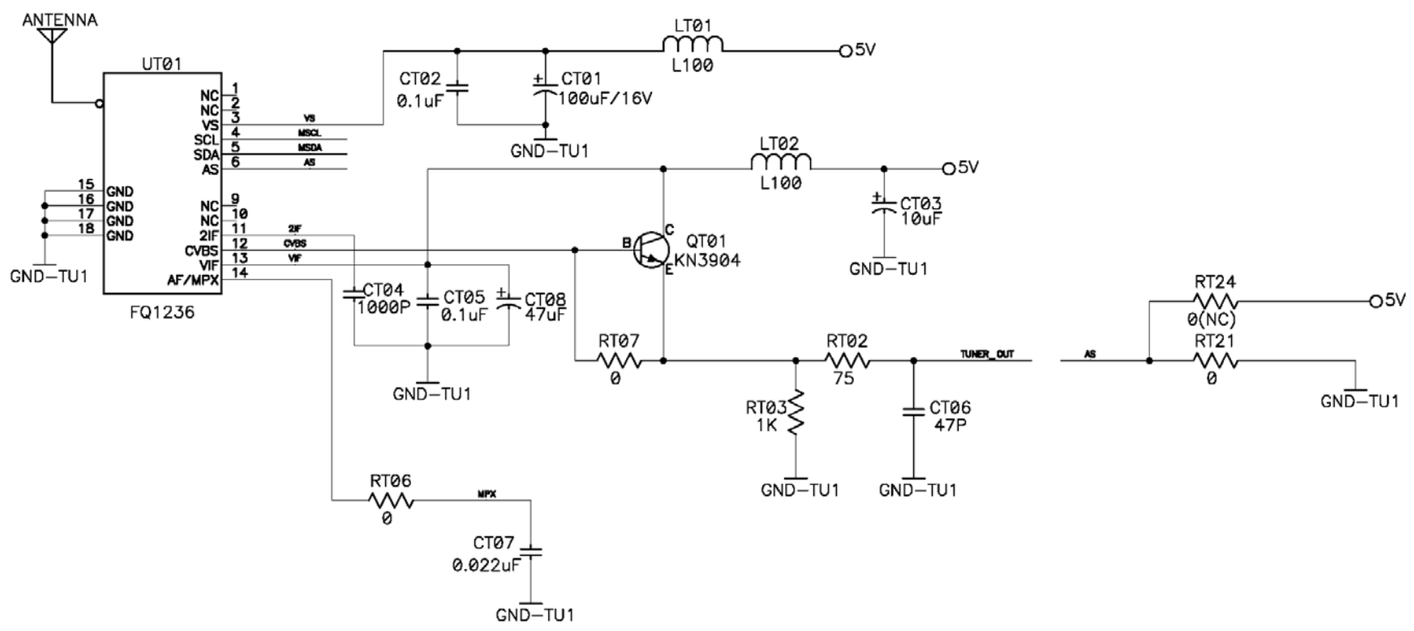


Title	Tuner Interface		
Size A3	Number		Rev
Date	Fri Sep 12, 2003	Drawn by	Y.Q.CHEN
Filename	PWB-0564-02.sch	Sheet	1 of 1

Connector

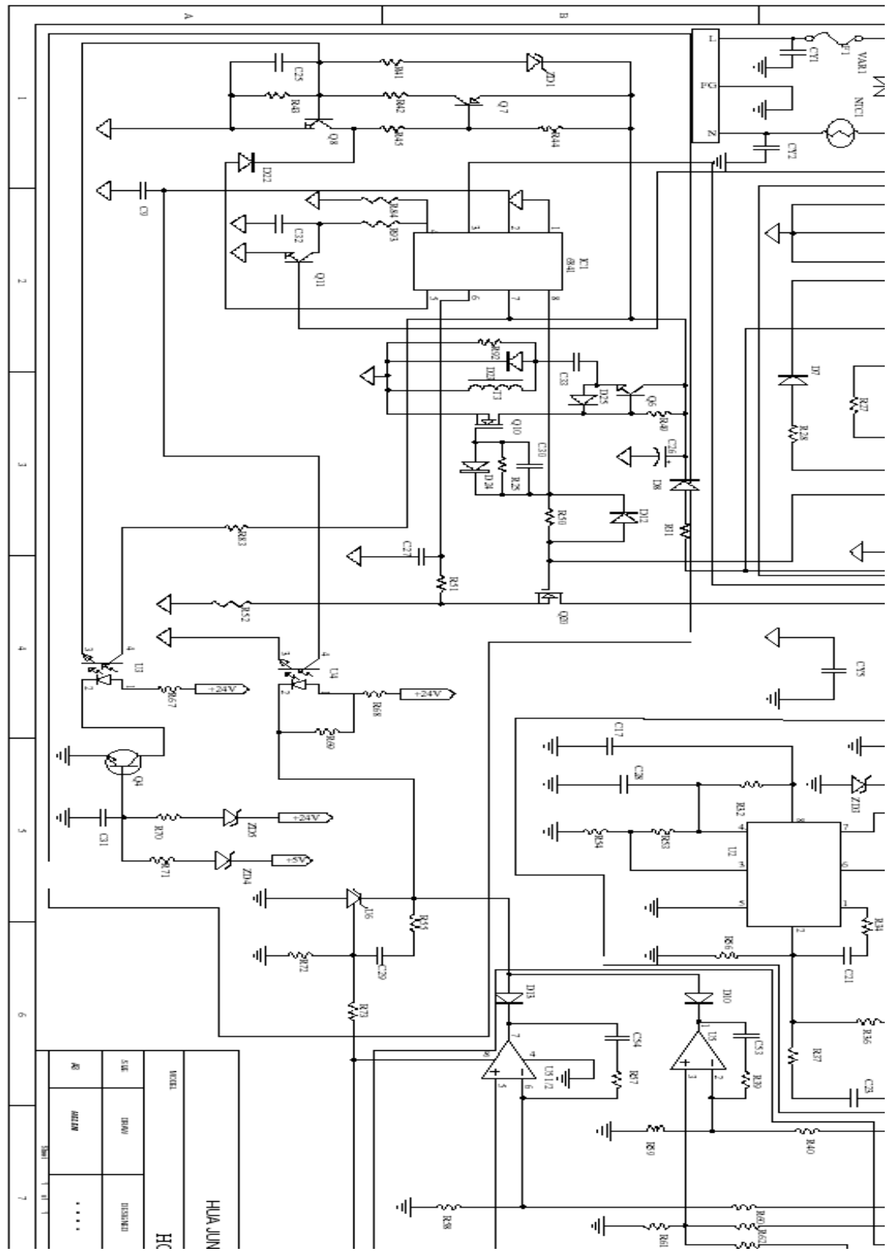


Tuner Power Control



Title	Tuner Interface		
Size A3	Number		Rev
Date	Fri Sep 12, 2003	Drawn by	Y.Q.CHEN
Filename	PWB-0707-01.sch	Sheet	1 of 1

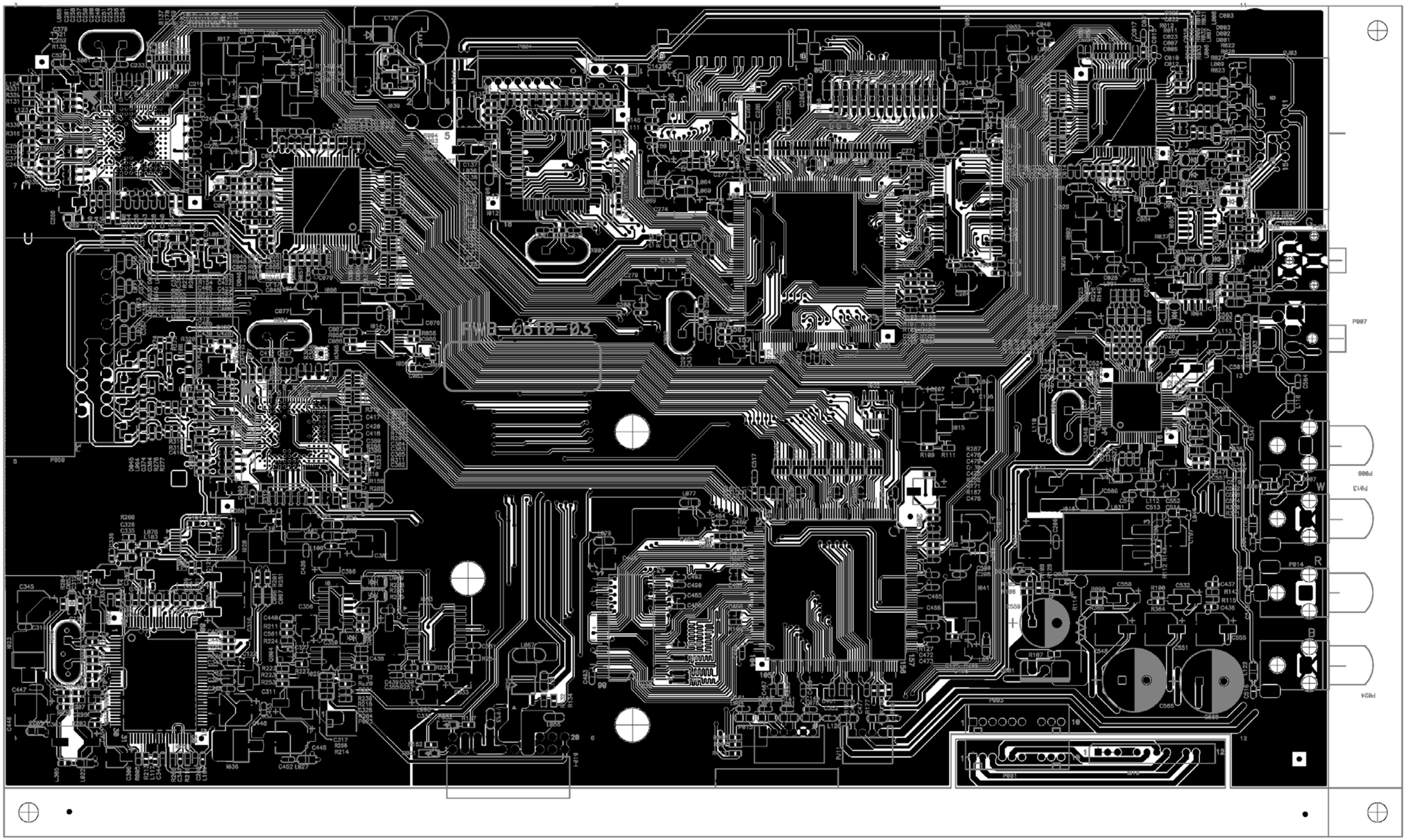
10-6 POWER Circuit



11. PCB Layout

TATUNG CO.	LAYER NO: Top Silk
Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	FILE NO: PWB-0610-B Ver:2.0
	DATE: Sat Aug 09, 2003

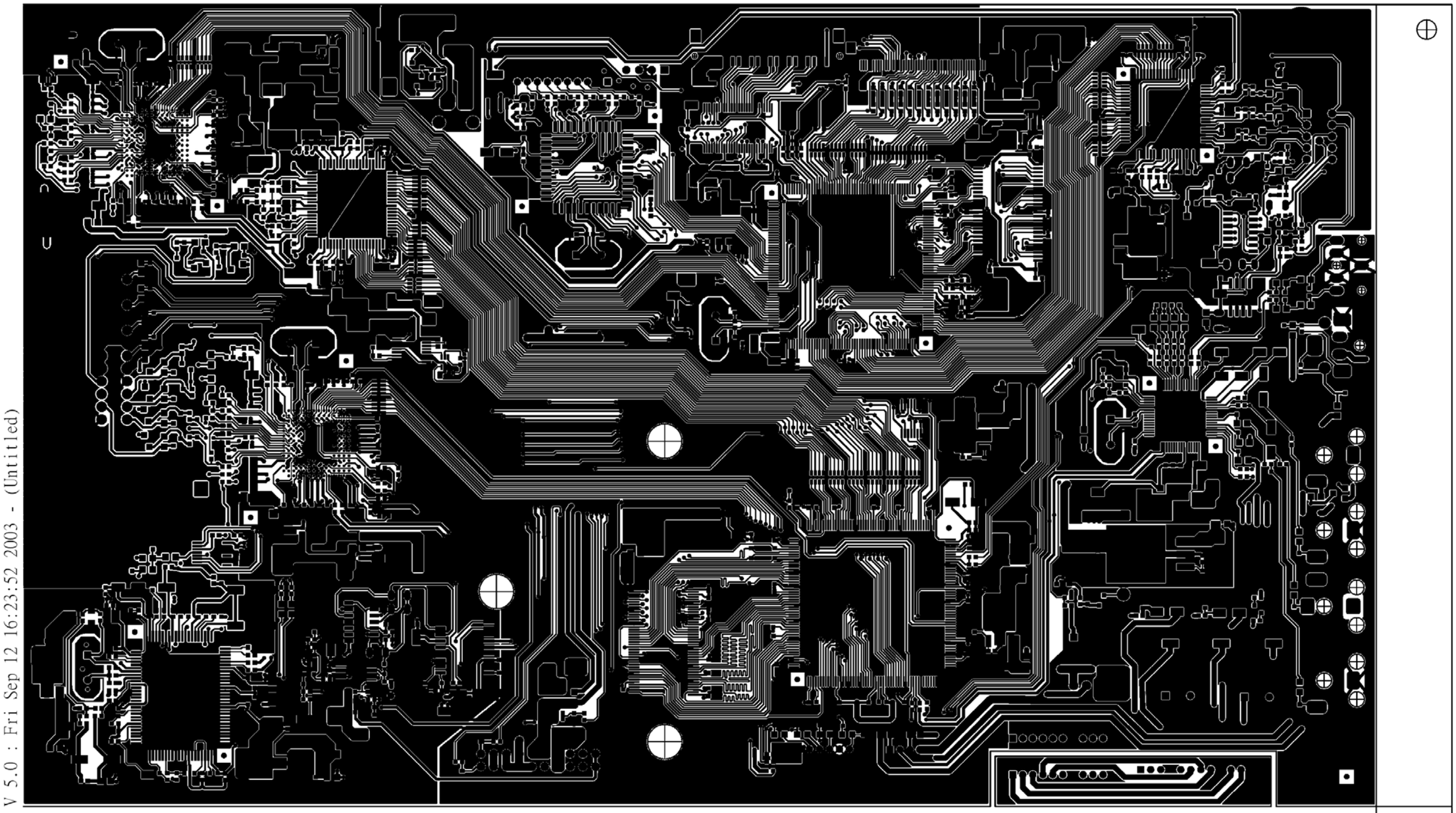
{Layer StackUp}



PWB-0610-03.pcb
Sat Aug 09, 2003

TATUNG CO.	LAYER NO: Top
Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	FILE NO: PWB-0610-B Ver:2.0
	DATE: Sat Aug 09, 2003

{Layer StackUp}



CAM350 V 5.0 : Fri Sep 12 16:23:52 2003 - (Untitled)

PWB-0610-B3.pcb
Sat Aug 09, 2003

TATUNG CO.	LAYER NO: Top
Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	FILE NO: PWB-0610-B Ver:2.0
	DATE: Sat Aug 09, 2003

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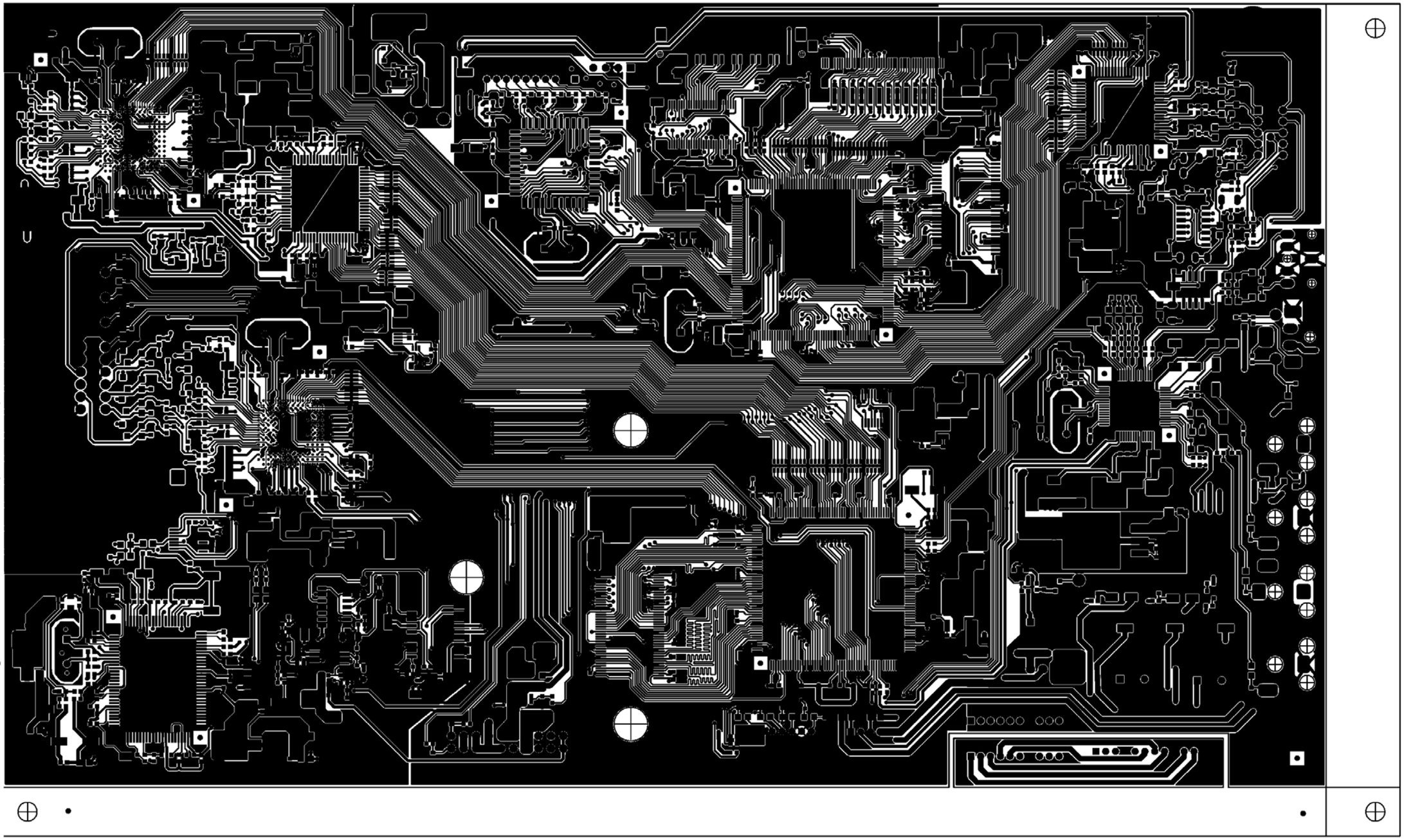

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PWB-0610-B3.pcb
Sat Aug 09, 2003

TATUNG CO.	LAYER NO: GND
Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	FILE NO: PWB-0610-B Ver:2.0
	DATE: Sat Aug 09, 2003

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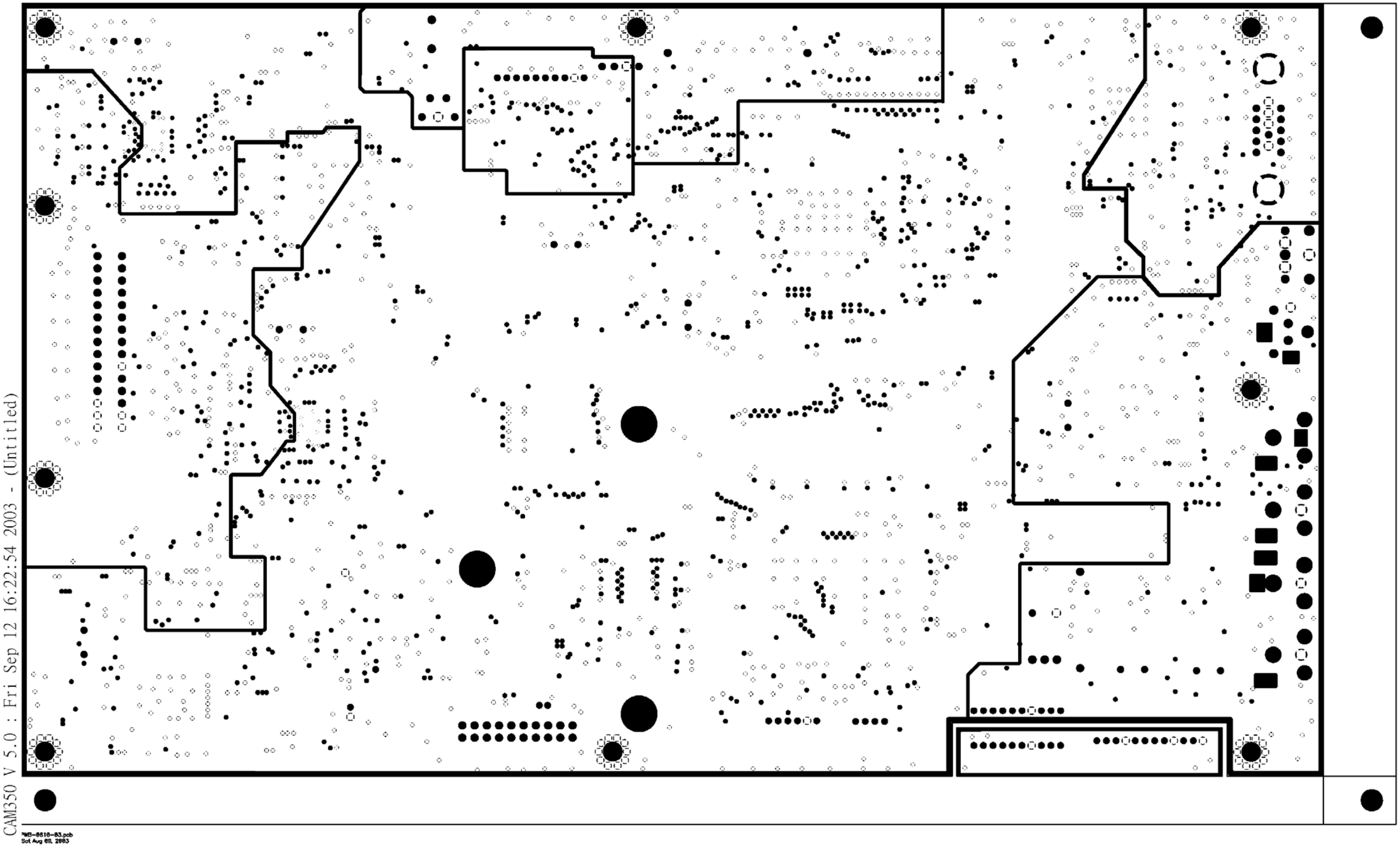
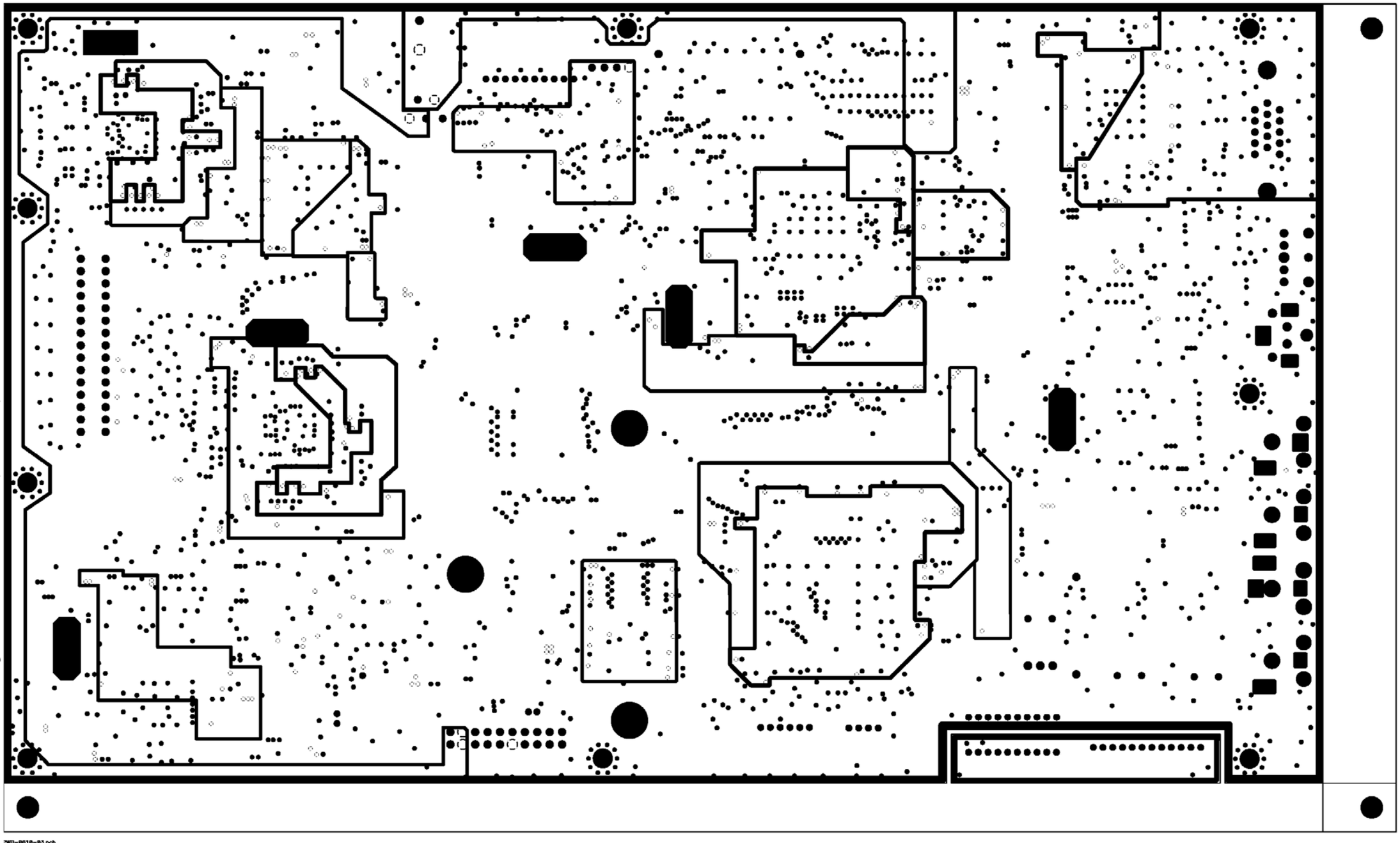
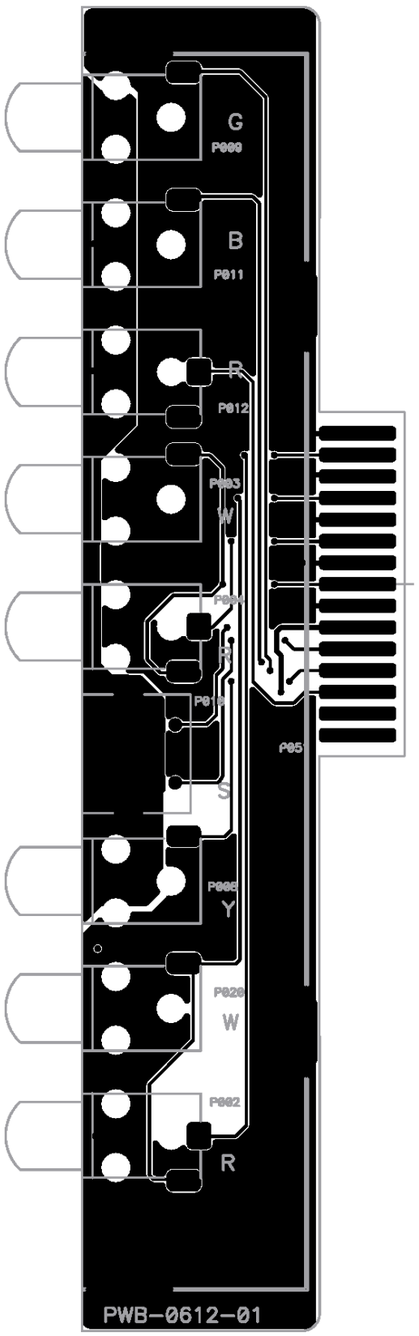


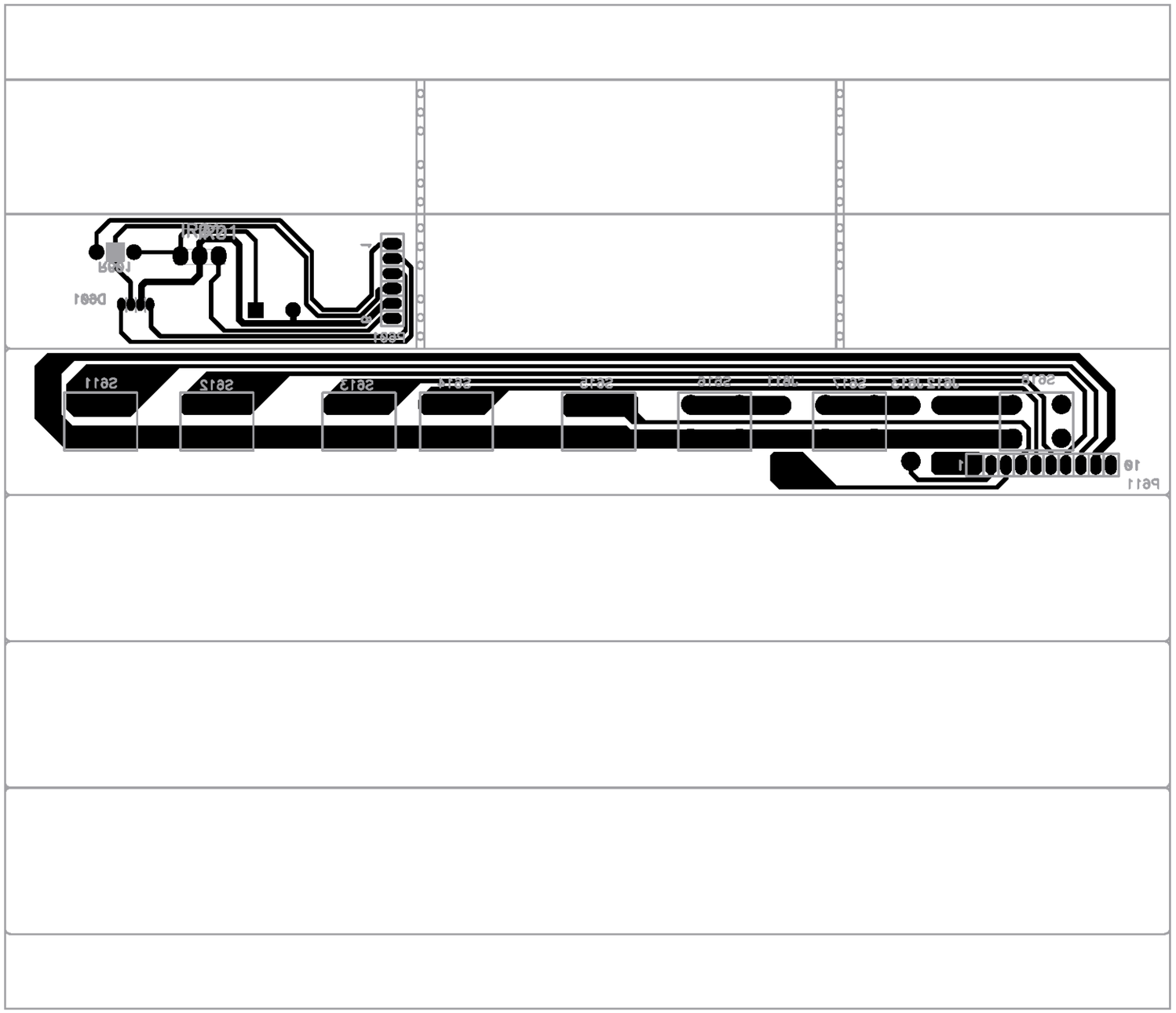
TATUNG CO.	LAYER NO: VCC
Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	FILE NO: PWB-0610-B Ver:2.0
	DATE: Sat Aug 09, 2003

{Layer StackUp}



TATUNG CO.	LAYER NO: TOP SILKLAYER
Doc No.:7CDDC Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	FILE NO:PWB-0612-02.pcb
	DATE: Fri Sep 05, 2003

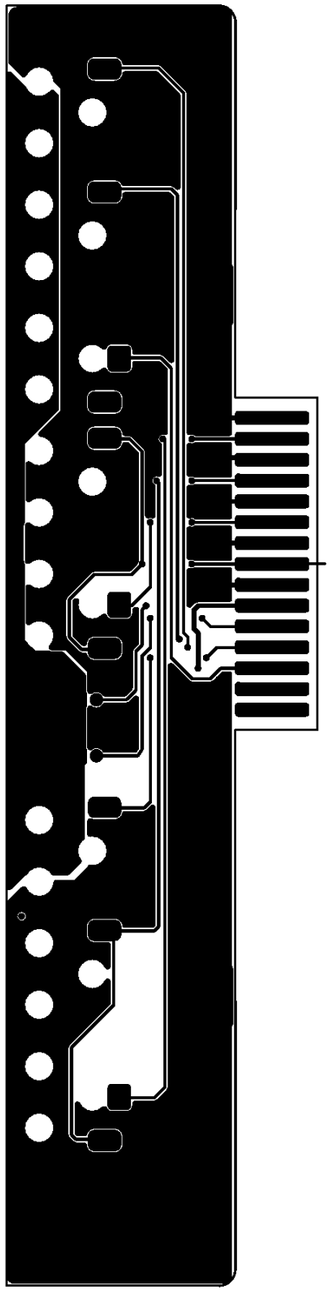




TATUNG CO.	LAYER NO: BOTTOM SILK LAYER
Doc No.:7CDDC Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	FILE NO:PWB-0565-02.pcb
	DATE: Fri Sep 05, 2003

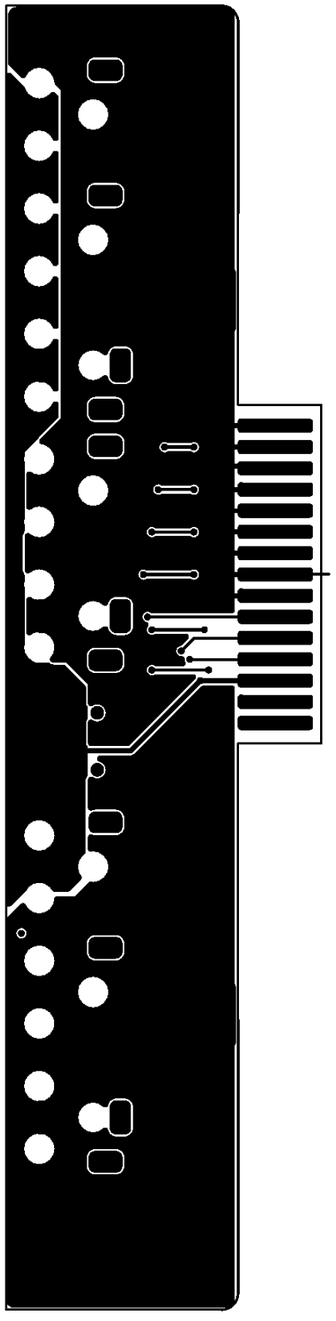
CAM350 V 5.0 : Fri Sep 12 16:30:15 2003 - (Untitled)

TATUNG CO. Doc No.:7CDDC Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	LAYER NO: TOP FILE NO:PWB-0612-02.pcb DATE: Fri Sep 05, 2003

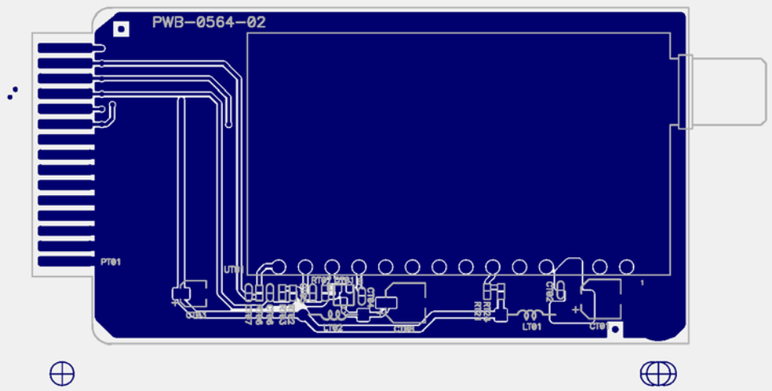


CAM350 V 5.0 : Fri Sep 12 16:29:19 2003 - (Untitled)

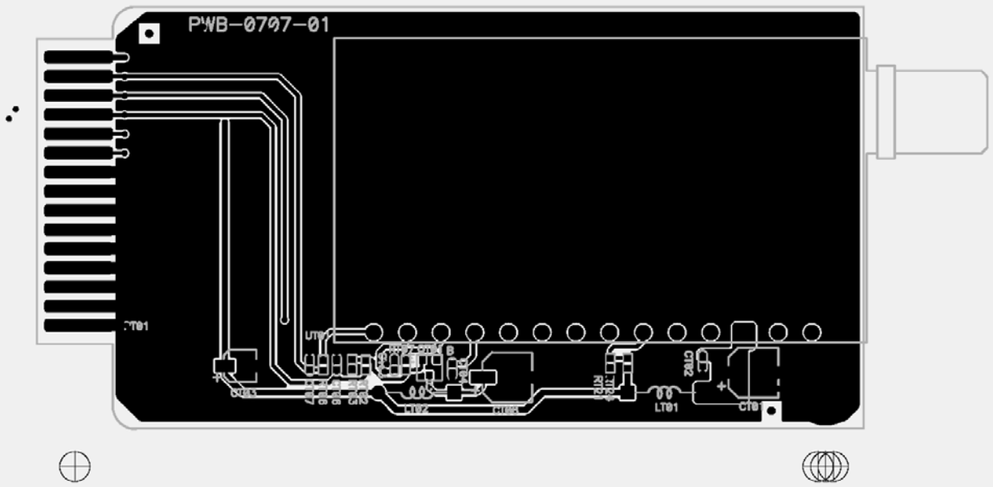
TATUNG CO. Doc No.:7CDDC Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	LAYER NO: BOTTOM FILE NO:PWB-0612-02.pcb DATE: Fri Sep 05, 2003



CAM350 V 5.0 : Tue Sep 16 11:53:00 2003 - (Untitled)

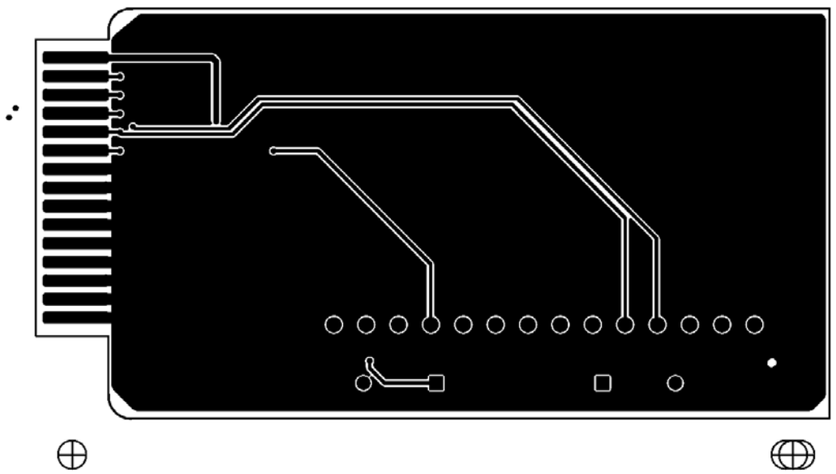


TATUNG CO. Doc No.:7CDDC Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	LAYER NO: TOP SILKTOPLAYER FILE NO:PWB-0564-02.pcb DATE: Tue Jul 22, 2003



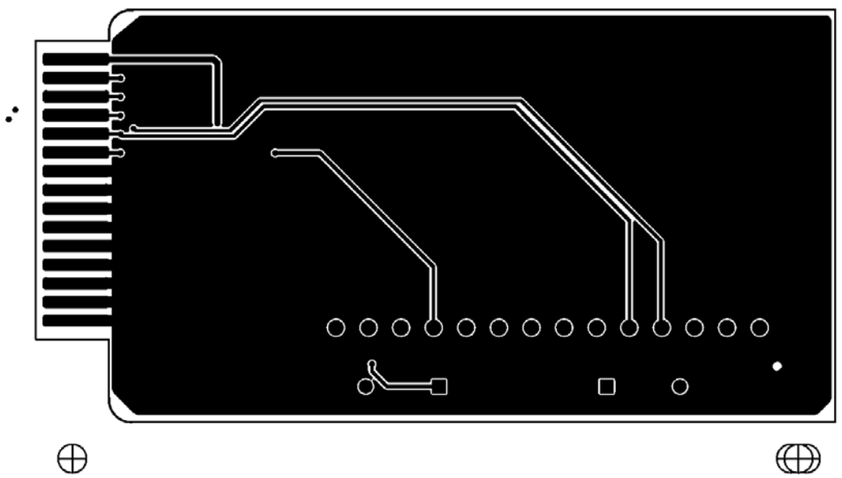
TATUNG CO. Doc No.:7CDDC Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	LAYER NO: TOP SILKTOPLAYER FILE NO:PWB-0707-01.pcb DATE: Mon Sep 08, 2003

CAM350 V 5.0 : Fri Sep 12 16:19:09 2003 - (Untitled)



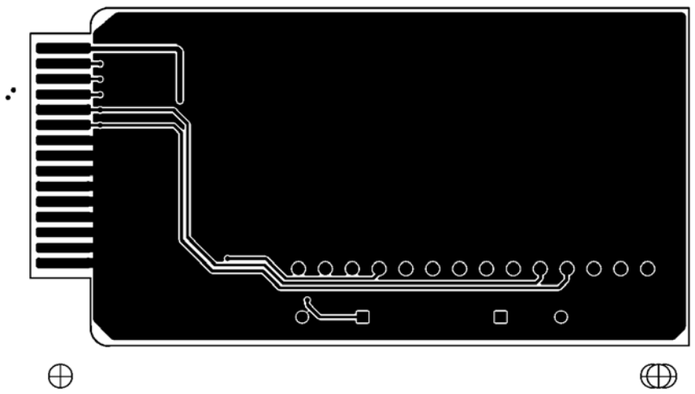
TATUNG CO. Doc No.:7CDDC Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	LAYER NO: BOTTOM FILE NO:PWB-0564-02.pcb DATE: Tue Jul 22, 2003

CAM350 V 5.0 : Fri Sep 12 16:17:53 2003 - (Untitled)

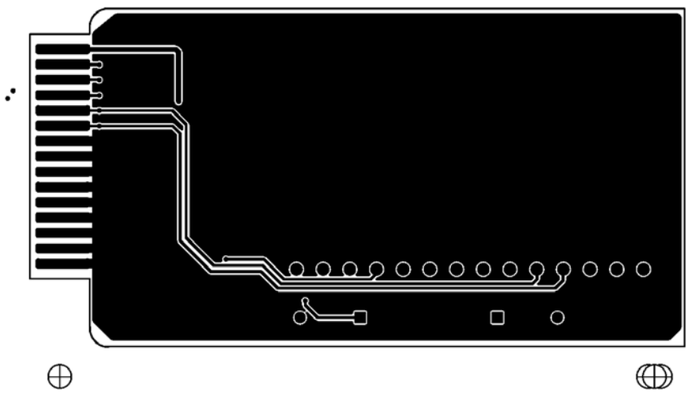


TATUNG CO. Doc No.:7CDDC Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	LAYER NO: BOTTOM FILE NO:PWB-0564-02.pcb DATE: Tue Jul 22, 2003

CAM350 V 5.0 : Fri Sep 12 17:22:30 2003 - (Untitled)

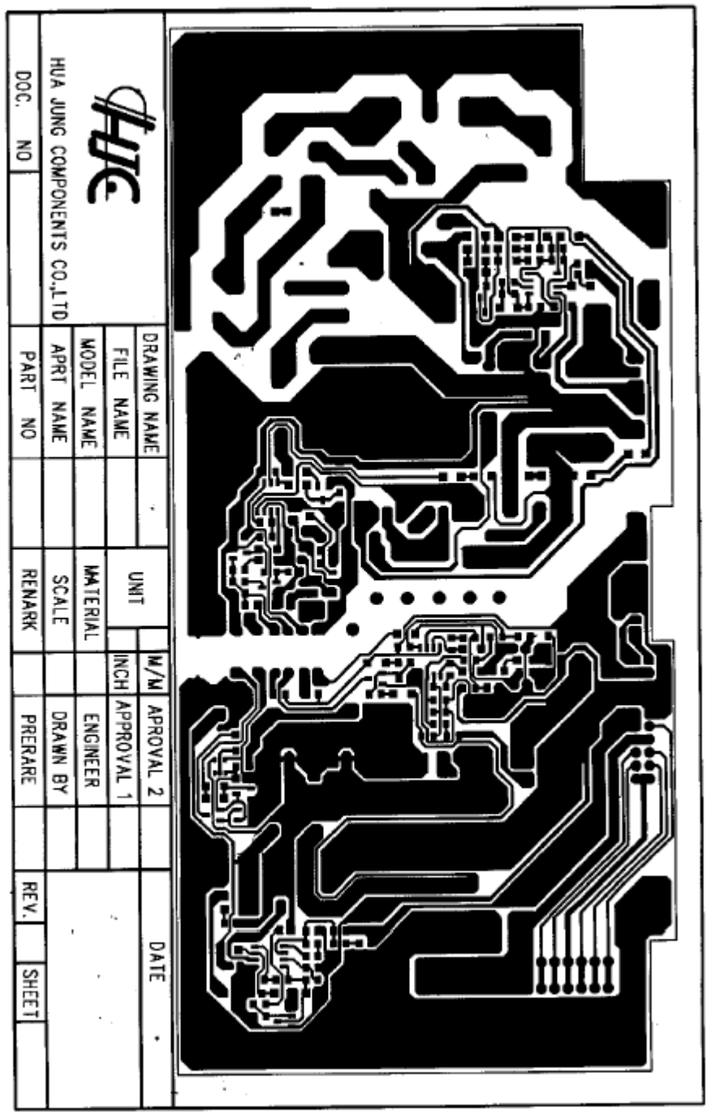


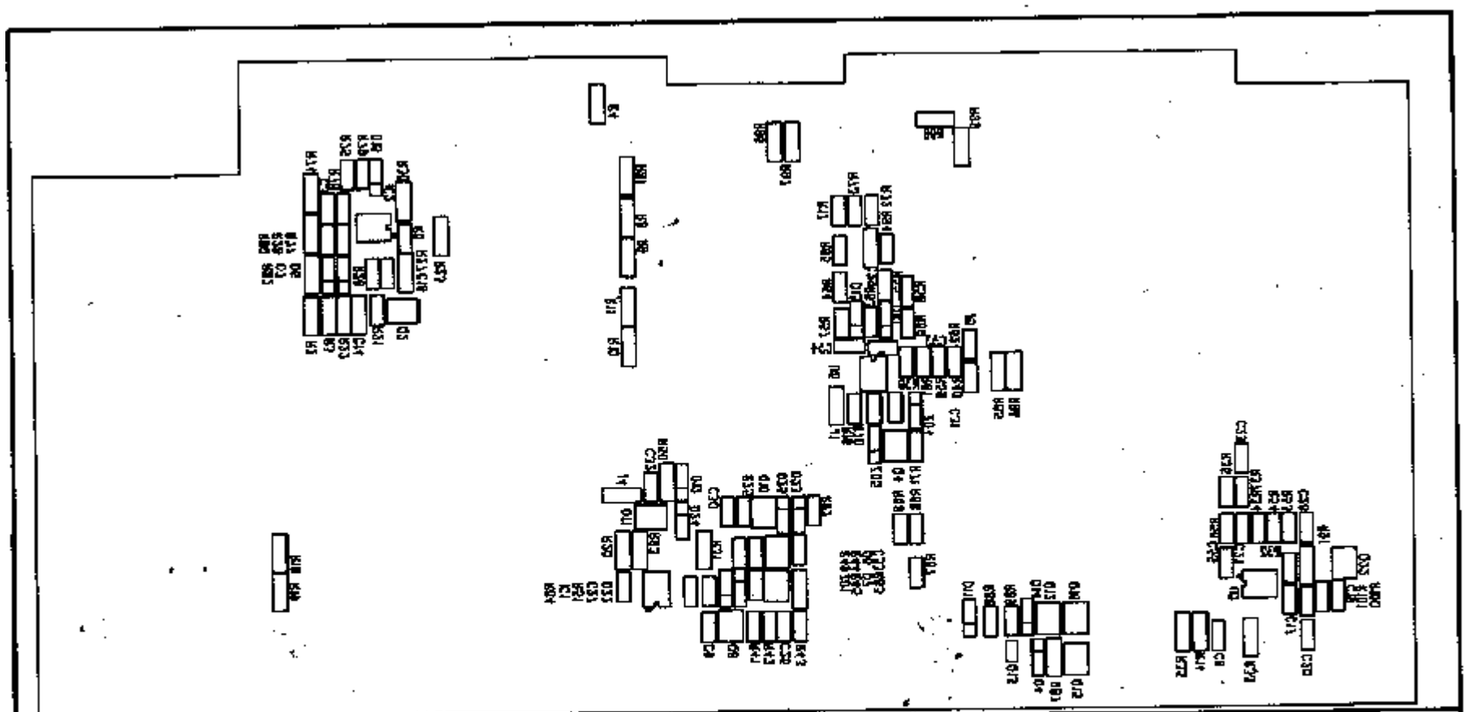
TATUNG CO. Doc No.:7CDDC Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	LAYER NO: BOTTOM FILE NO:PWB-0707-01.pcb DATE: Mon Sep 08, 2003



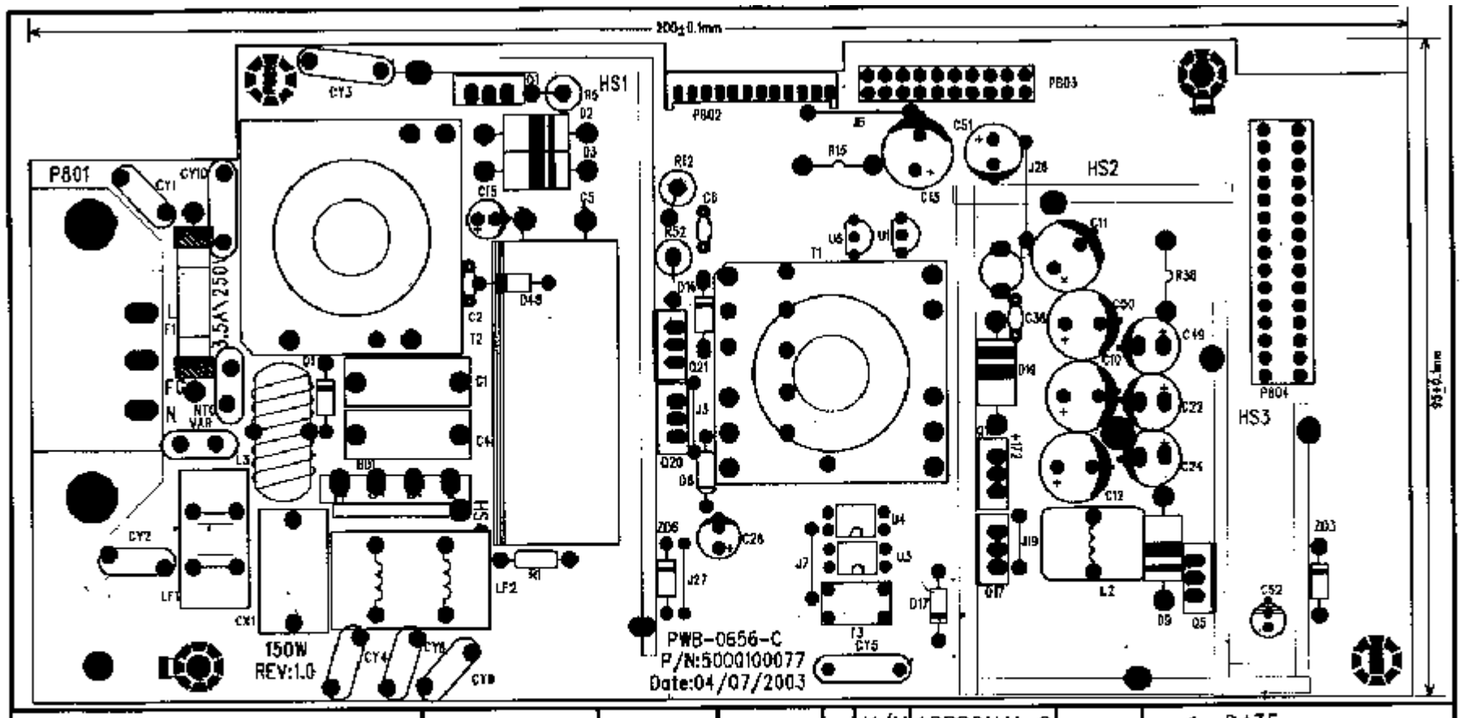
TATUNG CO. Doc No.:7CDDC Designed by Electronic R & D Division TEL:2592-5252 EXT 3127	LAYER NO: BOTTOM FILE NO:PWB-0707-01.pcb DATE: Mon Sep 08, 2003

POWER Layout



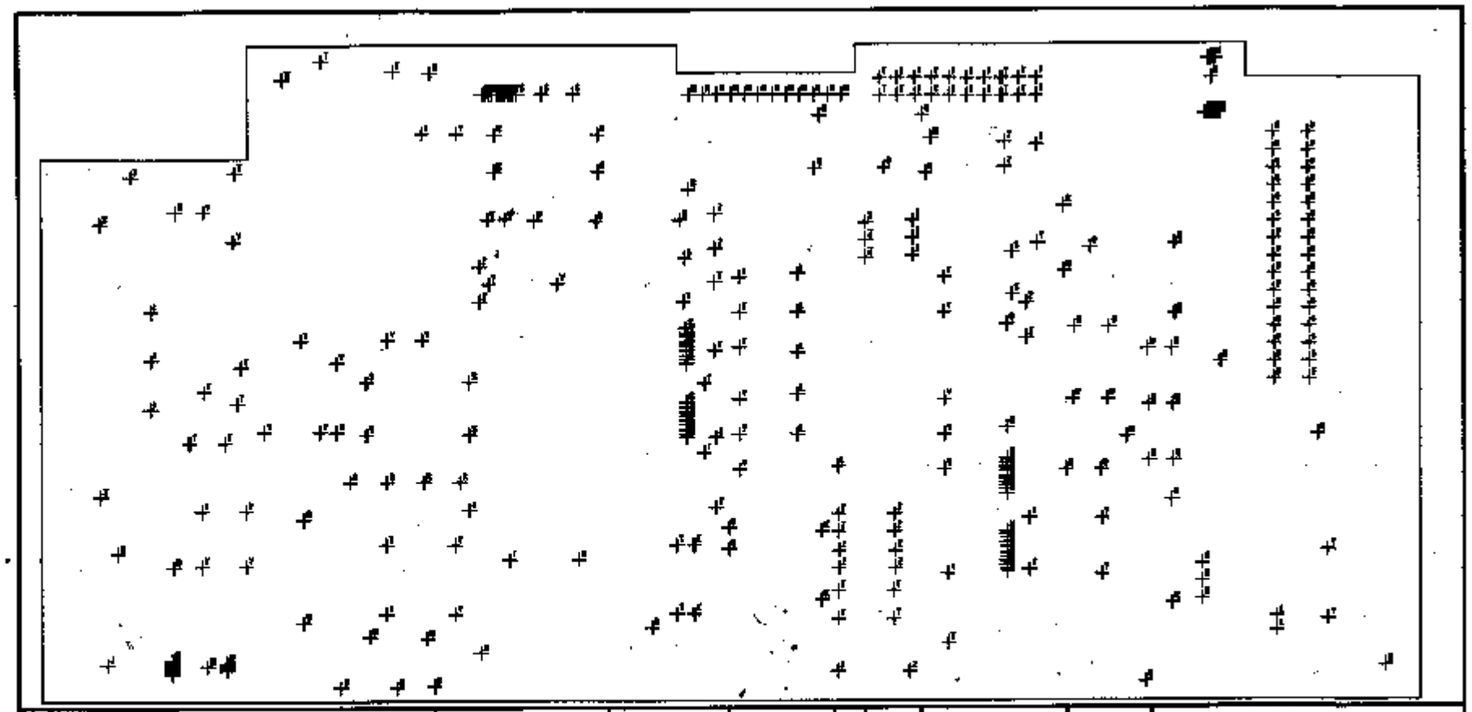


HUA JUNG COMPONENTS CO.,LTD	DRAWING NAME		UNIT	M/M	APROVAL 2		DATE
	FILE NAME			INCH	APPROVAL 1		
	MODEL NAME		MATERIAL		ENGINEER		
	APRT NAME		SCALE		DRAWN BY.		
DOC. NO	PART NO		RENARK		PRERARE		REV. / SHEET



HUA JUNG COMPONENTS CO.,LTD	DRAWING NAME		UNIT		M/M	APPROVAL 2		DATE
	FILE NAME				INCH	APPROVAL 1		
	MODEL NAME		MATERIAL			ENGINEER		
	APRT NAME		SCALE			DRAWN BY		
DOC. NO.	PART NO.		REMARK			PRERARE		REV. / SHEET

SIZE	QTY	SYM	PLTD
3.6	2	H	x
1.8	3	I	x
2	2	J	x
0.8	18	K	x
4	6	L	x
2.2	1	M	x
0.94	12	N	x
1.3	6	O	x
3.6068	1	P	x
1.4	26	Q	x
1.5	16	R	x
1.1938	31	S	x
1	40	T	x
0.9144	58	U	x
1.2	42	V	x
3.5	3	W	x
4.5	4	X	x
1.1	40	Y	x
0.9	28	Z	x



HJC HUA JUNG COMPONENTS CO.,LTD	DRAWING NAME		UNIT	M/M	APROVAL 2	DATE
	FILE NAME			INCH	APPROVAL 1	
	MODEL NAME		MATERIAL		ENGINEER	
	APRT NAME		SCALE		DRAWN BY	
DOC. NO	PART NO		RENARK		PRERARE	REV. / SHEET

12. Electrical Part List

12.1 Main PCB (PWB-0610)

CKT No	Sjpecification	Part Number	Vender
C001	CAPACITOR,MONOLITHIC SMD REEL	5230682291	PHILIPS
	X7R DC 50V 8200.00pFK T 0603	-	
C002	CAPACITOR,MONOLITHIC SMD REEL	5230019091	PHILIPS
	Y5V DC 16V82000.00pFZ T 0603	-	
C003	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C004	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C005	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C006	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C007	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C008	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C009	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C010	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C011	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C012	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C013	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C014	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C015	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C016	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C017	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C018	CAPACITOR,MONOLITHIC SMD REEL	5230610291	PHILIPS
	X7R 50V 1000.00PF K 0603	3G9604	
C019	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C020	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C021	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C022	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C023	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C024	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C025	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C026	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	

CKT No	Sjpecification	Part Number	Vender
C027	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C028	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C029	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C030	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C031	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C032	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C033	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C034	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C035	CAP.,ELECTROLYTIC 105C HV	5218014791	TEAPO
	SMD 16V 4.70UFM T 4.0x5.5	-	
C036	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C037	CAPACITOR,MONOLITHIC SMD REEL	5240000891	PHILIPS
	NPO DC 25V 22.00pFJ T 0603	-	
C038	CAPACITOR,MONOLITHIC SMD REEL	5240000891	PHILIPS
	NPO DC 25V 22.00pFJ T 0603	-	
C039	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603		
C040	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C041	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C042	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C044	CAPACITOR,MONOLITHIC SMD REEL	5230682291	PHILIPS
	X7R DC 50V 8200.00pFK T 0603	-	
C045	CAPACITOR,MONOLITHIC SMD REEL	5230019091	PHILIPS
	Y5V DC 16V82000.00pFZ T 0603	-	
C046	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C047	CAPACITOR,MONOLITHIC SMD REEL	5230610291	PHILIPS
	X7R 50V 1000.00PF K 0603	3G9604	
C048	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C049	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C050	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C051	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C052	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C053	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C054	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C055	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C056	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	

CKT No	Sjpecification	Part Number	Vender
C057	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C058	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C059	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C060	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C061	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C062	CAPACITOR,MONOLITHIC SMD REEL	5230610291	PHILIPS
	X7R 50V 1000.00PF K 0603	3G9604	
C063	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C064	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C065	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C066	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C067	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C068	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C069	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C070	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C071	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C072	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C073	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C074	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C075	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C076	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C077	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C078	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C079	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C080	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C081	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C082	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C084	CAPACITOR,MONOLITHIC SMD REEL	5230013391	TEAPO
	X7R DC 16V 0.47UFK T 0805	-	
C085	CAP.,ELECTROLYTIC(105C) SMD	5218008991	TEAPO
	16V 47.00UFM T 6x5.4	-	
C089	CAP.,ELECTROLYTIC(105C) SMD	5218008991	PHILIPS
	16V 47.00UFM T 6x5.4	-	

CKT No	Sjpecification	Part Number	Vender
C096	CAPACITOR,MONOLITHIC SMD REEL	5230007791	PHILIPS
	Y5V DC 16V 2.20uFZ T 0805	-	
C097	CAPACITOR,MONOLITHIC SMD REEL	5230007791	PHILIPS
	Y5V DC 16V 2.20uFZ T 0805	-	
C113	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C114	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C120	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	
C121	CAPACITOR,MONOLITHIC SMD REEL	5230007791	PHILIPS
	Y5V DC 16V 2.20uFZ T 0805	-	
C122	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C123	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C124	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C125	CAPACITOR,MONOLITHIC SMD REEL	5240000891	PHILIPS
	NPO DC 25V 22.00pFJ T 0603	-	
C126	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C127	CAP.,ELECTROLYTIC 105C HV	5218014791	TEAPO
	SMD 16V 4.70UFM T 4.0x5.5	-	
C128	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C129	CAPACITOR,MONOLITHIC SMD REEL	5240610191	PHILIPS
	NPO 50V 100.00PFJ 0603	9G9727	
C130	CAPACITOR,MONOLITHIC SMD REEL	5230007791	PHILIPS
	Y5V DC 16V 2.20uFZ T 0805		
C131	CAPACITOR,MONOLITHIC SMD REEL	5240610191	PHILIPS
	NPO 50V 100.00PFJ 0603	9G9727	
C132	CAPACITOR,MONOLITHIC SMD REEL	5240610191	PHILIPS
	NPO 50V 100.00PFJ 0603	9G9727	
C133	CAPACITOR,MONOLITHIC SMD REEL	5240610191	PHILIPS
	NPO 50V 100.00PFJ 0603	9G9727	
C134	CAPACITOR,MONOLITHIC SMD REEL	5240610191	PHILIPS
	NPO 50V 100.00PFJ 0603	9G9727	
C135	CAPACITOR,MONOLITHIC SMD REEL	5240610191	PHILIPS
	NPO 50V 100.00PFJ 0603	9G9727	
C136	CAPACITOR,MONOLITHIC SMD REEL	5240610191	PHILIPS
	NPO 50V 100.00PFJ 0603	9G9727	
C137	CAPACITOR,MONOLITHIC SMD REEL	5240610191	PHILIPS
	NPO 50V 100.00PFJ 0603	9G9727	
C138	CAP.,ELECTROLYTIC 105C HV	5218014791	PHILIPS
	SMD 16V 4.70UFM T 4.0x5.5	-	
C140	CAPACITOR,MONOLITHIC SMD REEL	5240610191	PHILIPS
	NPO 50V 100.00PFJ 0603	9G9727	
C141	CAPACITOR,MONOLITHIC SMD REEL	5240647191	TEAPO
	NPO 50V 470.00PFJ T 0603	-	
C142	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C143	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C144	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	
C145	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	

CKT No	Sjpecification	Part Number	Vender
C146	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C147	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C148	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C149	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C150	CAPACITOR,MONOLITHIC SMD REEL	5230007791	PHILIPS
	Y5V DC 16V 2.20uFZ T 0805	-	
C151	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C152	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C153	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C154	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C155	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C156	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C157	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C158	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	
C159	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	
C160	CAPACITOR,MONOLITHIC SMD REEL	5240647191	PHILIPS
	NPO 50V 470.00PFJ T 0603	-	
C161	CAPACITOR,MONOLITHIC SMD REEL	5240647191	PHILIPS
	NPO 50V 470.00PFJ T 0603	-	
C163	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C164	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C165	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C166	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C171	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C172	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C173	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603		
C174	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C179	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C180	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C181	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C182	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C187	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	

CKT No	Sjpecification	Part Number	Vender
C188	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C189	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C190	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C191	CAPACITOR,MONOLITHIC SMD REEL	5240610191	ENGEL
	NPO 50V 100.00PFJ 0603	9G9727	
C197	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C198	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C199	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C200	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C201	CAP.,ELECTROLYTIC 105C MVY	5218007991	TEAPO
	SMD 16V 100.00UFM T 6.0x5.0	-	
C202	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C203	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C206	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C207	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C208	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C218	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C219	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C220	CAPACITOR,MONOLITHIC SMD RELL	5230005491	TEAPO
	Y5V 25V 0.10UFZ T 0603	-	
C222	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C223	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C224	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C225	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C226	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C227	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C228	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C229	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C230	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C231	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C232	CAPACITOR,MONOLITHIC SMD REEL	5240000891	PHILIPS
	NPO DC 25V 22.00pFJ T 0603	-	

CKT No	Sjpecification	Part Number	Vender
C233	CAPACITOR,MONOLITHIC SMD REEL	5240000891	PHILIPS
	NPO DC 25V 22.00pFJ T 0603	-	
C234	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C236	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C237	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C238	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C239	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C240	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C241	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C242	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C243	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C244	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C246	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C247	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C248	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C249	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C250	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C251	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C252	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C253	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C254	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C255	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C256	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C257	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C258	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603		
C259	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C260	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C261	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C262	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C263	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	

CKT No	Sjpecification	Part Number	Vender
C264	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C265	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C266	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C267	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C268	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C269	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	
C270	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603		
C271	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C272	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C273	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C274	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C275	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C276	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C277	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C278	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C279	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
	CE04W 16V 10.00UFM T 4x5	-	
C280	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C281	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C282	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C283	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C284	CAP.,ELECTROLYTIC 105C HV	5218014791	TEAPO
	SMD 16V 4.70UFM T 4.0x5.5	-	
C285	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C286	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C287	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C288	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C289	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C290	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C291	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C292	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	

CKT No	Sjpecification	Part Number	Vender
C293	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C294	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C295	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C298	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	
C299	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C300	CAP.,ELECTROLYTIC(105C) SMD	5218008991	PHILIPS
	16V 47.00UFM T 6x5.4	-	
C302	CAPACITOR,MONOLITHIC SMD RELL	5230610391	TEAPO
	X7R 50V10000.00PFK T 0603	-	
C303	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C304	CAPACITOR,MONOLITHIC SMD RELL	5230610391	TEAPO
	X7R 50V10000.00PFK T 0603	-	
C305	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C306	CAP.,ELECTROLYTIC 105C HV	5218014791	PHILIPS
	SMD 16V 4.70UFM T 4.0x5.5	-	
C307	CAPACITOR,MONOLITHIC SMD REEL	5230615291	TEAPO
	X7R 50V 1500.00PFK 0603	-	
C310	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	
C311	CAP.,ELECTROLYTIC(105C) SMD	5218008991	PHILIPS
	16V 47.00UFM T 6x5.4	-	
C312	CAPACITOR,MONOLITHIC SMD RELL	5240615191	PHILIPS
	NPO 50V 150.00PFJ T 0603	-	
C313	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	
C314	CAPACITOR,MONOLITHIC SMD RELL	5230005491	TEAPO
	Y5V 25V 0.10UFZ T 0603	-	
C315	RESISTOR,THICK FILM CHIP 0603	5134300009	PHILIPS
	RMC ,1/16W 0.00 J T	-	
C316	CAP.,ELECTROLYTIC(105C) SMD	5218008991	PHILIPS
	16V 47.00UFM T 6x5.4	-	
C317	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C318	CAPACITOR,MONOLITHIC SMD REEL	5230007791	PHILIPS
	Y5V DC 16V 2.20uFZ T 0805	-	
C319	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C326	CAPACITOR,MONOLITHIC SMD REEL	5230013391	PHILIPS
	X7R DC 16V 0.47UFK T 0805	-	
C327	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C328	CAPACITOR,MONOLITHIC SHD RELL	5240610091	PHILIPS
	NPO 50V 10.00PFJ T 0603	-	
C330	CAPACITOR,MONOLITHIC SMD REEL	5230668291	PHILIPS
	X7R DC 50V 6800.00PFK T 0603	-	
C331	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C332	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C333	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	

CKT No	Sjpecification	Part Number	Vender
C335	CAPACITOR,MONOLITHIC SMD REEL	5230013391	PHILIPS
	X7R DC 16V 0.47UFK T 0805	-	
C337	CAPACITOR,MONOLITHIC SMD REEL	5240647091	PHILIPS
	NPO 50V 47.00PFJ T 0603	-	
C338	CAPACITOR,MONOLITHIC SMD REEL	5240647091	PHILIPS
	NPO 50V 47.00PFJ T 0603	-	
C341	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	
C342	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C343	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C344	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	
C345	CAP.,ELECTROLYTIC 105C MVY	5218007991	PHILIPS
	SMD 16V 100.00UFM T 6.0x5.0		
C346	CAPACITOR,MONOLITHIC SMD REEL	5230610291	PHILIPS
	X7R 50V 1000.00PF K 0603	3G9604	
C347	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	
C348	CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
	X7R 50V10000.00PFK T 0603	-	
C349	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C350	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C351	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C355	CAPACITOR,MONOLITHIC SMD REEL	5230668391	PHILIPS
	X7R DC 50V68000.00PFK T 0603		
C356	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C361	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C362	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C369	CAPACITOR,MONOLITHIC SMD REEL	5240647091	PHILIPS
	NPO 50V 47.00PFJ T 0603	-	
C371	CAPACITOR,MONOLITHIC SMD REEL	5240647091	PHILIPS
	NPO 50V 47.00PFJ T 0603	-	
C374	CAPACITOR,MONOLITHIC SMD REEL	5240647091	PHILIPS
	NPO 50V 47.00PFJ T 0603	-	
C375	CAPACITOR,MONOLITHIC SMD REEL	5240647091	PHILIPS
	NPO 50V 47.00PFJ T 0603	-	
C377	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C378	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C379	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C380	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C381	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C382	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C383	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	

CKT No	Sjpecification	Part Number	Vender
C384	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C385	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C386	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C387	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C388	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C389	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C390	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C391	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C392	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C393	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C394	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C395	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C396	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C399	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C400	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C401	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C402	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C404	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C405	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C406	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C407	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C408	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C409	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C410	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C411	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C412	CAPACITOR,MONOLITHIC SMD REEL	5240000891	PHILIPS
	NPO DC 25V 22.00pFJ T 0603	-	
C413	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C414	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C415	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	

CKT No	Sjpecification	Part Number	Vender
C416	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C417	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C418	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C419	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C420	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C421	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C422	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C423	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C424	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J05	
C425	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C426	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C427	CAPACITOR,MONOLITHIC SMD REEL	5240000891	PHILIPS
	NPO DC 25V 22.00pFJ T 0603	-	
C428	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C429	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C430	CAPACITOR,MONOLITHIC SMD REEL	5230647391	PHILIPS
	X7R DC 50V47000.00pFK T 0603	A7EHRPP-J0	
C431	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C432	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C433	CAPACITOR,MOLITHIC SMD REEL	5240622191	PHILIPS
	NPO 50V 220.00PFJ T 0603	-	
C436	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C437	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C438	CAP.,ELECTROLYTIC 105C MVY	5218007991	PHILIPS
	SMD 16V 100.00UFM T 6.0x5.0	-	
C439	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C440	RESISTOR,THICK FILM CHIP 0603	5134375009	PHILIPS
	RMC 1/16W 75.00 J T	-	
C441	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C442	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C443	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C444	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603		
C445	CAP.,ELECTROLYTIC 105C MVY	5218007991	PHILIPS
	SMD 16V 100.00UFM T 6.0x5.0	-	
C446	CAP.,ELECTROLYTIC 105C MVY	5218007991	PHILIPS
	SMD 16V 100.00UFM T 6.0x5.0	-	

CKT No	Sjpecification	Part Number	Vender
C447	CAPACITOR, MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C448	CAP.,ELECTROLYTIC 105C MVY	5218007991	PHILIPS
	SMD 16V 100.00UFM T 6.0x5.0	-	
C449	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C450	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C451	CAP.,ELECTROLYTIC 105C MVY	5218007991	PHILIPS
	SMD 16V 100.00UFM T 6.0x5.0	-	
C452	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C453	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C454	RESISTOR,THICK FILM CHIP 0603	5134300009	PHILIPS
	RMC ,1/16W 0.00 J T	-	
C456	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C457	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C458	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C459	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C460	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C461	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C462	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C463	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C464	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C465	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C466	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C467	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C468	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C469	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C470	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C471	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C472	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C473	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C474	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C475	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C476	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	

CKT No	Sjpecification	Part Number	Vender
C477	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C478	CAP.,ELECTROLYTIC(105C) SMD	5218008891	PHILIPS
	16V 22.00UFM T 5x5.2	-	
C479	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C480	CAPACITOR,MONOLITHIC SMD REEL	5230610291	PHILIPS
	X7R 50V 1000.00PF K 0603	3G9604	
C481	CAP.,ELECTROLYTIC(105C) SMD	5218008891	PHILIPS
	16V 22.00UFM T 5x5.2	-	
C482	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C483	CAP.,ELECTROLYTIC(105C) SMD	5218008891	PHILIPS
	16V 22.00UFM T 5x5.2	-	
C484	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C485	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C486	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C487	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C488	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C489	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C490	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C491	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C492	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603		
C493	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C494	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C498	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C499	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C500	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C501	CAP.,ELECTROLYTIC(105C) SMD	5218008891	PHILIPS
	16V 22.00UFM T 5x5.2	-	
C502	CAP.,ELECTROLYTIC(105C) SMD	5218008891	PHILIPS
	16V 22.00UFM T 5x5.2	-	
C503	CAPACITOR,MONOLITHIC SMD REEL	5230004191	PHILIPS
	Y5V DC 16V 0.33uFM T 0603	-	
C504	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C505	CAPACITOR,MONOLITHIC SMD REEL	5240647191	PHILIPS
	NPO 50V 470.00PFJ T 0603	-	
C506	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C507	CAPACITOR,MONOLITHIC SMD REEL	5230004191	PHILIPS
	Y5V DC 16V 0.33uFM T 0603	-	
C508	CAPACITOR,MONOLITHIC SMD REEL	5230004191	PHILIPS
	Y5V DC 16V 0.33uFM T 0603	-	

CKT No	Sjpecification	Part Number	Vender
C509	CAPACITOR,MONOLITHIC SMD REEL	5230004191	PHILIPS
	Y5V DC 16V 0.33uFM T 0603	-	
C510	CAPACITOR,MONOLITHIC SMD REEL	5230004191	PHILIPS
	Y5V DC 16V 0.33uFM T 0603	-	
C511	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C513	CAPACITOR,MONOLITHIC SMD REEL	5230610291	PHILIPS
	X7R 50V 1000.00PF K 0603	3G9604	
C514	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C515	CAPACITOR,MONOLITHIC SMD REEL	5240647191	PHILIPS
	NPO 50V 470.00PFJ T 0603	-	
C516	CAPACITOR,MONOLITHIC SMD REEL	5240647191	PHILIPS
	NPO 50V 470.00PFJ T 0603	-	
C517	CAPACITOR,MONOLITHIC SMD REEL	5240627091	PHILIPS
	NPO DC 50V 27.00PFJ T 0603	-	
C518	CAPACITOR,MONOLITHIC SMD REEL	5230610291	PHILIPS
	X7R 50V 1000.00PF K 0603	3G9604	
C519	CAPACITOR,MONOLITHIC SMD REEL	5230610291	PHILIPS
	X7R 50V 1000.00PF K 0603	3G9604	
C520	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C521	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C522	CAPACITOR,MONOLITHIC SMD REEL	5230012591	PHILIPS
	Y5V 25V 1.00UFZ T 0805	-	
C524	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
	Y5V 25V 0.10UFZ T 0603	-	
C525	CAPACITOR,MONOLITHIC SMD REEL	5230610291	PHILIPS
	X7R 50V 1000.00PF K 0603	3G9604	
C526	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C527	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C528	CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
	CE04W 16V 10.00UFM T 4x5	-	
C529	CAPACITOR,MONOLITHIC SMD REEL	5230004191	PHILIPS
	Y5V DC 16V 0.33uFM T 0603	-	
C530	CAPACITOR,MONOLITHIC SMD REEL	5230004191	PHILIPS
	Y5V DC 16V 0.33uFM T 0603	-	
C532	CAP.,ELECTROLYTIC 105C HV	5218014791	PHILIPS
	SMD 16V 4.70UFM T 4.0x5.5	-	
C534	CAPACITOR,MONOLITHIC SMD REEL	5230012591	PHILIPS
	Y5V 25V 1.00UFZ T 0805	-	
C537	CAPACITOR,MONOLITHIC SMD REEL	5240605091	PHILIPS
	NPO 50V 5.00PFC T 0603	-	
C538	CAPACITOR,MONOLITHIC SMD REEL	5230007791	PHILIPS
	Y5V DC 16V 2.20uFZ T 0805	-	
C539	CAPACITOR,MONOLITHIC SMD REEL	5230007791	PHILIPS
	Y5V DC 16V 2.20uFZ T 0805	-	
C540	CAPACITOR,MONOLITHIC SMD REEL	5230007791	PHILIPS
	Y5V DC 16V 2.20uFZ T 0805	-	
C541	CAPACITOR,MONOLITHIC SMD REEL	5240605091	PHILIPS
	NPO 50V 5.00PFC T 0603	-	
CKT No	**Sjpecification**	**Part Number**	**Vender**
C542	CAPACITOR,MONOLITHIC SMD REEL	5240656091	PHILIPS
	NPO DC 50V 56.00pFJ T 0603	A7EHRPP-J05	

C543		CAPACITOR,MONOLITHIC SMD REEL	5240656091	PHILIPS
		NPO DC 50V 56.00pFJ T 0603	A7EHRPP-J05	
C546		CAPACITOR,MONOLITHIC SMD REEL	5240647191	PHILIPS
		NPO 50V 470.00PFJ T 0603	-	
C547		CAPACITOR,MONOLITHIC SMD RELL	5230610391	PHILIPS
		X7R 50V10000.00PFK T 0603	-	
C548		CAP.,ELECTROLYTIC 105C MVY	5218007991	PHILIPS
		SMD 16V 100.00UFM T 6.0x5.0	-	
C549		CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
		Y5V 25V 0.10UFZ T 0603	-	
C550		CAP.,ELECTROLYTIC 105C HV	5218014791	PHILIPS
		SMD 16V 4.70UFM T 4.0x5.5	-	
C551		CAP.,ELECTROLYTIC 105C MVY	5218007991	PHILIPS
		SMD 16V 100.00UFM T 6.0x5.0	-	
C552		CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
		CE04W 16V 10.00UFM T 4x5	-	
C553		CAP,ELECTROLITIC(105C) MVY	5218007891	PHILIPS
		CE04W 16V 10.00UFM T 4x5	-	
C554		CAPACITOR,MONOLITHIC SMD REEL	5240656091	PHILIPS
		NPO DC 50V 56.00pFJ T 0603	A7EHRPP-J05	
C555		CAP.,ELECTROLYTIC 105C MVY	5218007991	PHILIPS
		SMD 16V 100.00UFM T 6.0x5.0	-	
C556		CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
		Y5V 25V 0.10UFZ T 0603	-	
C557		CAPACITOR,MONOLITHIC SMD REEL	5230012591	PHILIPS
		Y5V 25V 1.00UFZ T 0805	-	
C558		CAPACITOR,MONOLITHIC SMD REEL	5240610191	PHILIPS
		NPO 50V 100.00PFJ 0603	9G9727	
C559		CAPACITOR,ELECTROLYTIC	5213547112	PHILIPS
		CE04W 35V 470.00UFM *	TS-PV-C001C	
C560		CAP.,ELECTROLYTIC 105C PS	5214021401	PHILIPS
		CE04W 25V 1000.00UFM T 10x20	PS1E102MNN1020	
C561		CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
		Y5V 25V 0.10UFZ T 0603	-	
C562		CAPACITOR,MONOLITHIC SMD REEL	5240647191	PHILIPS
		NPO 50V 470.00PFJ T 0603	-	
C563		CAPACITOR,MONOLITHIC SMD REEL	5240647191	PHILIPS
		NPO 50V 470.00PFJ T 0603	-	
C564		CAPACITOR,MONOLITHIC SMD REEL	5240647191	PHILIPS
		NPO 50V 470.00PFJ T 0603	-	
C565		CAPACITOR,MONOLITHIC SMD REEL	5240647191	PHILIPS
		NPO 50V 470.00PFJ T 0603	-	
C566		CAP.,ELECTROLYTIC 105C PS	5214021401	PHILIPS
		CE04W 25V 1000.00UFM T 10x20	PS1E102MNN1020	
D001	RA	DIODE SWITCHING DII	6613000555	DII
		BAV99-7 75V,0.15A SOT-23 REEL	-	
D001	RB	DIODE SWITCHING DUAL SMD ON	6613003550	ON
		MMBD7000LT1 SOT23 100V 0.2A 00	L5PHSDP-U19	
D001	RC	DIODE SWITCHING PANJIT	6613000554	DII
		BAV99 75V,0.15A SOT-23 REEL	-	
D001	RD	DIODE SWITCHING SMD SECOSGMBH	6613000759	DII
		BAV99 70V 215MA DUAL SOT-23	TIV-17A	
D002	RA	DIODE SWITCHING DII	6613000555	DII
		BAV99-7 75V,0.15A SOT-23 REEL	-	
D002	RB	DIODE SWITCHING DUAL SMD ON	6613003550	ON
		MMBD7000LT1 SOT23 100V 0.2A 00	L5PHSDP-U19	
CKT No		**Sjpecification**	**Part Number**	**Vender**
D002	RC	DIODE SWITCHING PANJIT	6613000554	DII
		BAV99 75V,0.15A SOT-23 REEL	-	

D002	RD	DIODE SWITCHING SMD SECOSGMBH	6613000759	ON
		BAV99 70V 215MA DUAL SOT-23	TIV-17A	
D003	RA	DIODE SWITCHING DII	6613000555	DII
		BAV99-7 75V,0.15A SOT-23 REEL	-	
D003	RB	DIODE SWITCHING DUAL SMD ON	6613003550	ON
		MMBD7000LT1 SOT23 100V 0.2A 00	L5PHSDP-U19	
D003	RC	DIODE SWITCHING PANJIT	6613000554	DII
		BAV99 75V,0.15A SOT-23 REEL	-	
D003	RD	DIODE SWITCHING SMD SECOSGMBH	6613000759	ON
		BAV99 70V 215MA DUAL SOT-23	TIV-17A	
D004	RA	DIODE SWITCHING SMD ROHM	6613003059	DII
		RLS4148 (LL-34)SMD	-	
D004	RB	DIODE SWITCHING SMD HIT	6613003052	ON
		HSK120	-	
D004	RC	DIODE SWITCHING SMD PANJIT	6613003753	ON
		1N4148W 75V 150mA SMD	-	
D005	RA	DIODE SWITCHING SMD ROHM	6613003059	ROHM
		RLS4148 (LL-34)SMD	-	
D005	RB	DIODE SWITCHING SMD HIT	6613003052	HIT
		HSK120	-	
D005	RC	DIODE SWITCHING SMD PANJIT	6613003753	DII
		1N4148W 75V 150mA SMD	-	
D007	RA	DIODE SWITCHING DII	6613000555	ON
		BAV99-7 75V,0.15A SOT-23 REEL	-	
D007	RB	DIODE SWITCHING DUAL SMD ON	6613003550	DII
		MMBD7000LT1 SOT23 100V 0.2A 00	L5PHSDP-U19	
D007	RC	DIODE SWITCHING PANJIT	6613000554	ON
		BAV99 75V,0.15A SOT-23 REEL	-	
D007	RD	DIODE SWITCHING SMD SECOSGMBH	6613000759	DII
		BAV99 70V 215MA DUAL SOT-23		
D008	RA	DIODE SWITCHING SMD ROHM	TIV-17A	ON
		RLS4148 (LL-34)SMD	6613003059	
D008	RB	DIODE SWITCHING SMD HIT	-	DII
		HSK120	6613003052	
D008	RC	DIODE SWITCHING SMD PANJIT	-	ON
		1N4148W 75V 150mA SMD	6613003753	
D011	RA	DIODE SWITCHING SMD ROHM	-	DII
		RLS4148 (LL-34)SMD	6613003059	
D011	RB	DIODE SWITCHING SMD HIT	-	ON
		HSK120	6613003052	
D011	RC	DIODE SWITCHING SMD PANJIT	-	DII
		1N4148W 75V 150mA SMD	6613003753	
D012	RA	DIODE SWITCHING SMD ROHM	-	ON
		RLS4148 (LL-34)SMD	6613003059	
D012	RB	DIODE SWITCHING SMD HIT	-	DII
		HSK120	6613003052	
D012	RC	DIODE SWITCHING SMD PANJIT	-	ON
		1N4148W 75V 150mA SMD	6613003753	
D013	RA	DIODE SWITCHING SMD ROHM	-	DII
		RLS4148 (LL-34)SMD	6613003059	
D013	RB	DIODE SWITCHING SMD HIT	-	ON
		HSK120	6613003052	
D013	RC	DIODE SWITCHING SMD PANJIT	-	DII
		1N4148W 75V 150mA SMD	6613003753	
D014		DIODE RECTIFIER SMD DII	-	ON
		BAT54S 30V,0.2A SOT-23	6611012351	
CKT No		**Sjpecification**	**Part Number**	**Vender**
D038	RA	DIODE SWITCHING	6613000555	DII
		BAV99-7 75V,0.15A SOT-23 REEL	-	

D038	RB	DIODE SWITCHING DUAL SMD	6613003550	ON
		MMBD7000LT1 SOT23 100V 0.2A 00	L5PHSDP-U19	
D038	RC	DIODE SWITCHING PANJIT	6613000554	DII
		BAV99 75V,0.15A SOT-23 REEL	-	
D038	RD	DIODE SWITCHING SMD SECOSGMBH	6613000759	ON
		BAV99 70V 215MA DUAL SOT-23	TIV-17A	
D039	RA	DIODE SWITCHING DII	6613000555	DII
		BAV99-7 75V,0.15A SOT-23 REEL	-	
D039	RB	DIODE SWITCHING DUAL SMD ON	6613003550	ON
		MMBD7000LT1 SOT23 100V 0.2A 00	L5PHSDP-U19	
D039	RC	DIODE SWITCHING PANJIT	6613000554	DII
		BAV99 75V,0.15A SOT-23 REEL	-	
D039	RD	DIODE SWITCHING SMD SECOSGMBH	6613000759	ON
		BAV99 70V 215MA DUAL SOT-23	TIV-17A	
D040	RA	DIODE SWITCHING DII	6613000555	DII
		BAV99-7 75V,0.15A SOT-23 REEL	-	
D040	RB	DIODE SWITCHING DUAL SMD ON	6613003550	ON
		MMBD7000LT1 SOT23 100V 0.2A 00	L5PHSDP-U19	
D040	RC	DIODE SWITCHING PANJIT	6613000554	DII
		BAV99 75V,0.15A SOT-23 REEL	-	
D040	RD	DIODE SWITCHING SMD SECOSGMBH	6613000759	ON
		BAV99 70V 215MA DUAL SOT-23	TIV-17A	
D045	RA	DIODE SWITCHING DII	6613000555	DII
		BAV99-7 75V,0.15A SOT-23 REEL	-	
D045	RB	DIODE SWITCHING DUAL SMD ON	6613003550	ON
		MMBD7000LT1 SOT23 100V 0.2A 00	L5PHSDP-U19	
D045	RC	DIODE SWITCHING PANJIT	6613000554	DII
		BAV99 75V,0.15A SOT-23 REEL	-	
D045	RD	DIODE SWITCHING SMD SECOSGMBH	6613000759	ON
		BAV99 70V 215MA DUAL SOT-23	TIV-17A	
D046	RA	DIODE SWITCHING DII	6613000555	DII
		BAV99-7 75V,0.15A SOT-23 REEL	-	
D046	RB	DIODE SWITCHING DUAL SMD ON	6613003550	ON
		MMBD7000LT1 SOT23 100V 0.2A 00	L5PHSDP-U19	
D046	RC	DIODE SWITCHING PANJIT	6613000554	DII
		BAV99 75V,0.15A SOT-23 REEL	-	
D046	RD	DIODE SWITCHING SMD SECOSGMBH	6613000759	ON
		BAV99 70V 215MA DUAL SOT-23	TIV-17A	
D047	RA	DIODE SWITCHING DII	6613000555	DII
		BAV99-7 75V,0.15A SOT-23 REEL	-	
D047	RB	DIODE SWITCHING DUAL SMD ON	6613003550	ON
		MMBD7000LT1 SOT23 100V 0.2A 00	L5PHSDP-U19	
D047	RC	DIODE SWITCHING PANJIT	6613000554	DII
		BAV99 75V,0.15A SOT-23 REEL	-	
D047	RD	DIODE SWITCHING SMD SECOSGMBH	6613000759	ON
		BAV99 70V 215MA DUAL SOT-23	TIV-17A	
D050		DIODE ZENER SMD REEL DII	6615026751	DII
		MMSZ5221BS 2.28-2.52 SOD-323	-	
D051		DIODE ZENER SMD REEL DII	6615012652	DII
		MMSZ5228BS 3.71-4.10 SOD-323	-	
D052		DIODE ZENER SMD REEL DII	6615012652	DII
		MMSZ5228BS 3.71-4.10 SOD-323	-	
D053		DIODE VERICAP HIT	6614001050	DII
		HVU17 15V/100nA URP	-	
CKT No		**Sjpecification**	**Part Number**	**VendDIIer**
I001	-	IC,A/D CONVERTER ADI	6649001853	ADI
		AD9883AKST-140 LQFP 80PIN TRAY	-	
I001M		HEAT SINK(GLUE)	5646405209	ADI
		24x17x21	M-K-21403G10	

I002	RA	IC,VOLTAGE REGULATOR FAIRCHILD	6640003858	FAIRCHILD
		RC1117S33T SOT-223 1A 3.3V REE	-	
I002	RB	IC,VOLTAGE REGULATOR ATC	6640010150	ADI
		AP1117 E-3.3 SOT-223-3L 3PIN	-	
I003	RA	IC,VOLTAGE REGULATOR FAIRCHILD	6640003858	FAIRCHILD
		RC1117S33T SOT-223 1A 3.3V REE	-	
I003	RB	IC,VOLTAGE REGULATOR ATC	6640010150	ADI
		AP1117 E-3.3 SOT-223-3L 3PIN	-	
I004	-	IC,MEMORY EEPROM CATALYST	6647051862	ATMEL
		24WC02J-TE13 SO-8	L5PHS	
I005	-	IC,DIGITAL TTL SMD FAIRCHILD	6646021451	ADI
		74F14SCX SO14 150MIL REEL	-	
I006	-	IC,A/D CONVERTER ADI	6649001852	ADI
		AD9883AKST-110 LQFP80 TRAY	-	
I006M		HEAT SINK(GLUE)	5646405209	ADI
		24x17x21	M-K-21403G10	
I007	RA	IC,VOLTAGE REGULATOR FAIRCHILD	6640003858	ADI FAIRCHILD
		RC1117S33T SOT-223 1A 3.3V REE	-	
I007	RB	IC,VOLTAGE REGULATOR ATC	6640010150	ADI FAIRCHILD
		AP1117 E-3.3 SOT-223-3L 3PIN	-	
I008	RA	IC,VOLTAGE REGULATOR FAIRCHILD	6640003858	FAIRCHILD
		RC1117S33T SOT-223 1A 3.3V REE	-	
I008	RB	IC,VOLTAGE REGULATOR ATC	6640010150	ADI FAIRCHILD
		AP1117 E-3.3 SOT-223-3L 3PIN	-	
I009		IC LINEAR LVDS DECODER THINE	6644001354	ADI
		THC63LVDM83A TSSOP 56PIN	L7CAS	
I010		IC LINEAR SYO	6644011200	ADI
		LA4282 SIP12H TUBE	PDPI	
I012		IC,MCU 40MHZ 128KB SyncMos	6647021813	ADI
		SM59264C40 PLCC44	-	
I012A		IC SOCKET LOW PROFILE SMT	5056304402	ADI
		44P PLCC	-	
I013	RA	IC,MEMORY SERIAL EEPROM ATMEL	6647026301	FAIRCHILD
		AT24C16N 16K(2Kx8) SOIC 8PIN	L5C/TDS	
I013	RB	IC,MEMORY SERIAL EEPROM MICROC	6647026355	MICROC
		24LC16B/SN 16K(2Kx8) SO8(M)	L5C/TDS	
I013	RC	IC,MEMORY EEPROM CATALYST	6647026357	ATMEL
		CAT24WC16J-TE13 SOIC-8	L5CDS	
I013	RD	IC,MEMORY EEPROM ATC	6647051653	ATMEL
		AM24LC16S8A SOP-8L REEL	-	
I015	RA	IC VOLTAGE REGULATOR FAIRCHILD	6640003863	FAIRCHILD
		RC1117ST SOT-223 1A ADJ LOW DR	-	
I015	RB	IC,VOLTAGE REGULATOR ATC	6640010155	FAIRCHILD
		AP1117E-ADJ SOT223-3L 3PIN	-	
I016	-	IC,VOLTAGE REGULATOR FAIRCHILD	6640005358	EGTEK
		RC1587M-3.3T 3.3V-3A TO-263	-	
I017	RA	IC,VOLTAGE REGULATOR FAIRCHILD	6640003858	FAIRCHILD
		RC1117S33T SOT-223 1A 3.3V REE	-	
I017	RB	IC,VOLTAGE REGULATOR ATC	6640010150	FAIRCHILD
		AP1117 E-3.3 SOT-223-3L 3PIN	-	
I018	-	IC,VIDEO DECODER CONTROL PHI	6647052050	PHILIPS
		SAA7118E BGA156P SMD	-	
I019	-	IC TFT-LCD CONTROLLER TOPRO	6646000351	TOPRO
		TP6760Q QFP 208PIN TRAY	-	
CKT No		**Sjpecification**	**Part Number**	**Vender**
I020		IC,DIGITAL DRAM HYNIX	6646013651	HYNIX
		HY57V161610DTC-7 TSOP 50PIN BO	-	
I023	RA	IC,VOLTAGE REGULATOR FAIRCHILD	6640003858	ZILOG
		RC1117S33T SOT-223 1A 3.3V REE	-	

I023	RB	IC,VOLTAGE REGULATOR ATC	6640010150	ZILOG
		AP1117 E-3.3 SOT-223-3L 3PIN	-	
I024	-	IC,DIGITAL CMOS SWITCH ADI	6645017455	JRC
		ADG774ABRQ QSP-16 REEL	-	
I025	-	IC,LINEAR VIDEO SWITCH JRC	6644022451	SILICONIX
		NJM2244M-TE1 DMP8 8PIN REEL	-	
I027	RA	IC MOSFET P-CH.VISHAY-SILICONI	6644009054	HYNIX
		SI4431DY-T1 30V 5.8A SO-8	-	
I027	RB	IC,MOSFET P-CHANNEL SamHop	6642004952	HYNIX
		SDM9435A SO-8 -30V ±5.3A REEL	-	
I027	RC	IC,LINEAR MOSFET P-CH. IR	6644009056	HYNIX
		SI4435DY 30V 8A SO-8	-	
I027	RD	IC MOSFET P-CH.VISHAY-SILICONI	6644009053	HYNIX
		SI4435DY-T1-A 30V 8A SO-8	L7THS	
I027	RE	IC,POWER MOSFET P-CH APEC	6642002054	HYNIX
		AP9435M SO-8 8PIN REEL	-	
I027	RF	IC,MOSFET P-CHANNEL CET	6642004951	HYNIX
		CEM9435A SO-8 -30V,-5.3A	-	
I027	RG	IC,MOSFET P-CHANNEL VISHAY SI	6642000603	HYNIX
		SI9435DY SO-08	L7C	
I028	RA	IC,VOLTAGE REGULATOR FAIRCHILD	6640003858	HYNIX
		RC1117S33T SOT-223 1A 3.3V REE	-	
I028	RB	IC,VOLTAGE REGULATOR ATC	6640010150	HYNIX
		AP1117 E-3.3 SOT-223-3L 3PIN	-	
I029	RA	IC MOSFET P-CH.VISHAY-SILICONI	6644009054	HYNIX
		SI4431DY-T1 30V 5.8A SO-8	-	
I029	RB	IC,MOSFET P-CHANNEL SamHop	6642004952	HYNIX
		SDM9435A SO-8 -30V ±5.3A REEL	-	
I029	RC	IC,LINEAR MOSFET P-CH. IR	6644009056	HYNIX
		SI4435DY 30V 8A SO-8	-	
I029	RD	IC MOSFET P-CH.VISHAY-SILICONI	6644009053	HYNIX
		SI4435DY-T1-A 30V 8A SO-8	L7THS	
I029	RE	IC,POWER MOSFET P-CH APEC	6642002054	HYNIX
		AP9435M SO-8 8PIN REEL	-	
I029	RF	IC,MOSFET P-CHANNEL CET	6642004951	HYNIX
		CEM9435A SO-8 -30V,-5.3A	-	
I029	RG	IC,MOSFET P-CHANNEL VISHAY SI	6642000603	HYNIX
		SI9435DY SO-08	L7C	
I030	-	IC,QUAD BUFFER LINE DRIVER PHI	6646059059	HYNIX
		74HC126DT SO14 14PIN REEL	-	
I031	-	IC,VIDEO DECODER CONTROL PHI	6647052050	HYNIX
		SAA7118E BGA156P SMD	-	
I032	-	IC,LINEAR VIDEO SWITCH PERICOM	6644036001	HYNIX
		PI5V330Q QSOP-16 REEL	-	
I033	-	IC,LSI ZILOG	6647900552	HYNIX
		Z8612912SSC SOIC 18PIN TUBE	-	
I035	-	IC,DIGITAL CMOS TSB	6645010253	HYNIX
		TC90A65F QFP100	-	
I036	RA	IC VOLTAGE REGULATOR FAIRCHILD	6640003867	HYNIX
		RC1117ST-2.5 SOT-223 1A 2.5V	L7THSDP-J05	
I036	RB	IC,VOLTAGE REGULATOR ATC	6640010159	HYNIX
		AP1117E25 SOT223-3L 3PIN REEL	-	
I037	-	IC,DIGITAL SILICON	6646000955	HYNIX
		SiI504CM208 MQFP208	-	
CKT No		**Sjpecification**	**Part Number**	**Vender**
I038		IC,MEMORY SDRAM 2Mx32 Hynix	6647001653	HYNIX
		HY57V643220CT-7 TSOP Ⅱ-86 143M	-	
I039		IC,DC Voltage Regulator SANKEN	6640006502	HYNIX
		SI-8120S(LF1101),DIP5	-	

I041	RA	IC VOLTAGE REGULATOR FAIRCHILD	6640003863	HYNIX
		RC1117ST SOT-223 1A ADJ LOW DR	-	
I041	RB	IC,VOLTAGE REGULATOR ATC	6640010155	HYNIX
		AP1117E-ADJ SOT223-3L 3PIN	-	
I044	-	IC,AUDIO PROCESSOR MICRONAS	6646036750	HYNIX
		MSP3440G QI PMQFP 64 TRAY	-	
L001	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L002	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L002	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L003	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L004	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L005	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L005	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L006	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L007	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L008	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L009	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L011	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L015	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L020	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L020	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L021	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L021	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L022	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L023	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L024	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L024	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L025	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L025	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L026	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
CKT No		**Sjpecification**	**Part Number**	**Vender**
L026	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L027		CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	

L028	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L028	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L029	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L029	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L030	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L030	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L031	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132306	CTC
		MLB-451616-0080P-N1 80-OHM 4A	L7PWSPP-U01	
L031	RB	CORE FERRITE BEAD CHIP1806 CTC	5062120130	MAGLAYERS
		HH-1H4516-600JT 60-OHM 3A	L7PWSPP-U01	
L033	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L033	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L034	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L034	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L035	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L035	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L036	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L036	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L039	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133011	CTC
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L040	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133011	MAGLAYERS
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L042	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132306	CTC
		MLB-451616-0080P-N1 80-OHM 4A	L7PWSPP-U01	
L042	RB	CORE FERRITE BEAD CHIP1806 CTC	5062120130	MAGLAYERS
		HH-1H4516-600JT 60-OHM 3A	L7PWSPP-U01	
L045	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133011	CTC
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L048	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L049	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	MAGLAYERS
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP	
L051	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L052	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L054	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L055	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
CKT No		**Sjpecification**	**Part Number**	**Vender**
L055	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L056	-	RESISTOR,THICK FILM CHIP 0805	5132300009	CTC
		RMC 1/10W 0.00 J T	-	

L057		CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L059	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L059	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L061	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L061	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L062	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L062	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L063	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L064	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L064	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L065	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L065	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L066	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L067	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132306	MAGLAYERS
		MLB-451616-0080P-N1 80-OHM 4A	L7PWSPP-U01	
L067	RB	CORE FERRITE BEAD CHIP1806 CTC	5062120130	CTC
		HH-1H4516-600JT 60-OHM 3A	L7PWSPP-U01	
L069	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	MAGLAYERS
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L070	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L071	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L072	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L072	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L073	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L074	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L074	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L075	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L075	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L076		CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L077		CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
CKT No		**Sjpecification**	**Part Number**	**Vender**
L078	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133011	CTC
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L079	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	

L080	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133011	CTC
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L081	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133011	CTC
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L082	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L083	-	RESISTOR,THICK FILM CHIP 0805	5132300009	CTC
		RMC 1/10W 0.00 J T	-	
L084		CORE FERRITE BEAD CHIP MAGLAYE	5062133011	CTC
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L086	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L086	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	CTC
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L087	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133011	CTC
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L088	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L089	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L090	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L090	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L091	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L092	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133011	CTC
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L093	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L094	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133011	CTC
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L096	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L097	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L097	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	CTC
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L098	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L098	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L100	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L100	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L101	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L101	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L102	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L102	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
CKT No		**Sjpecification**	**Part Number**	**Vender**
L103	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15		
L103	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	

L104	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L104	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L105	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L105	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L106	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	MAGLAYERS
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L107	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133011	CTC
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L108	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133011	MAGLAYERS
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L109	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L110		CORE FERRITE BEAD CHIP MAGLAYE	5062133008	MAGLAYERS
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L111	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L111	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L112	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L113	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L115	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L116		CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L117	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132307	CTC
		MLB-160808-0600A-N1 600-OHM 15	L5EPTDP-E04	
L117	RB	CORE,FERRITE BEAD CHIP0603 CTC	5062120112	MAGLAYERS
		HB-1T1608-601JT 600-OHM 0.2A	L5CPT	
L118	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L119	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L120	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L121	-	CORE FERRITE BEAD CHIP MAGLAYE	5062133008	CTC
		MLB-201209-0150A-N1 150-OHM 0.	L5EPTDP-E04	
L122		CORE FERRITE BEAD CHIP MAGLAYE	5062133011	CTC
		MLB-201209-0600L-N2 600-OHM 0.	V17AFTW-U01	
L125	RA	CORE FERRITE BEAD CHIP MAGLAYE	5062132306	CTC
		MLB-451616-0080P-N1 80-OHM 4A	L7PWSPP-U01	
L127		CORE FERRITE BEAD 0805 MAGLAYE	5062133012	CTC
		MLB-201209-0220P-N2 220-OHM 3A		
L128		CORE FERRITE BEAD 0805 MAGLAYE	5062133012	CTC
		MLB-201209-0220P-N2 220-OHM 3A		
LP01		CORE FERRITE BEAD ARRAY 1206	5062128504	CTC
		MLB-3216-0030M4-N2 30-0HM 0.35		
CKT No		**Sjpecification**	**Part Number**	**Vender**
LP02		CORE FERRITE BEAD ARRAY 1206	5062128504	MAGLAYERS
		MLB-3216-0030M4-N2 30-0HM 0.35		
LP03		CORE FERRITE BEAD ARRAY 1206	5062128504	MAGLAYERS
		MLB-3216-0030M4-N2 30-0HM 0.35		
LP04		CORE FERRITE BEAD ARRAY 1206	5062128504	MAGLAYERS
		MLB-3216-0030M4-N2 30-0HM 0.35		

LP05		CORE FERRITE BEAD ARRAY 1206	5062128504	MAGLAYERS
		MLB-3216-0030M4-N2 30-0HM 0.35		
LP06		CORE FERRITE BEAD ARRAY 1206	5062128504	MAGLAYERS
		MLB-3216-0030M4-N2 30-0HM 0.35		
LP07		CORE FERRITE BEAD ARRAY 1206	5062128504	MAGLAYERS
		MLB-3216-0030M4-N2 30-0HM 0.35		
LP08		CORE FERRITE BEAD ARRAY 1206	5062128504	MAGLAYERS
		MLB-3216-0030M4-N2 30-0HM 0.35		
LP09		CORE FERRITE BEAD ARRAY 1206	5062128504	MAGLAYERS
		MLB-3216-0030M4-N2 30-0HM 0.35		
LP10		CORE FERRITE BEAD ARRAY 1206	5062128504	MAGLAYERS
		MLB-3216-0030M4-N2 30-0HM 0.35		
LP11		CORE FERRITE BEAD ARRAY 1206	5062128504	MAGLAYERS
		MLB-3216-0030M4-N2 30-0HM 0.35		
LP12		CORE FERRITE BEAD ARRAY 1206	5062128504	MAGLAYERS
		MLB-3216-0030M4-N2 30-0HM 0.35		
P001		BASE & PIN	5056416038	LEOCO
		S10B-PH-K (JST)		
P003		BASE & PIN 10P (P=2. 00MM-I)	5056416023	LEOCO
		B10B-PH (JST)		
P003A		Wire Ass'y W/10P Conn.	5057410025	LEOCO
	-	1007#24 A2001H02-10P L=30mm		
P005		CONNECTOR,20P TIN SMD HRS	5056310015	LEOCO
		DF14-20P-1.25H HIROSE		
P006		RCA JACK LIH SHENG	5056302055	LEOCO
		LP-0843-2Y/SCP621UNS400	-	
P007		EARPHONE JACK,3.5MM	5056302037	LEOCO
		JY-3551-21-070	-	
P013		RCA JACK LIH SHENG	5056302054	LEOCO
		LP-0843-2W/SCP621UNS300	-	
P014		RCA JACK	5056302039	LEOCO
		LP-0843-3R / SCP621VNS200	-	
P015		BASE AND PIN	5056415685	LEOCO
		2011P06H000 LEOCO	-	
P016		BASE & PIN	5056415475	LEOCO
		4P/P=2.54MM-I	-	
P019		BASE AND PIN	5056416009	LEOCO
		PS-D-RA1-20-S	-	
P021		BASE & PIN	5056416038	LEOCO
		S10B-PH-K (JST)	-	
P023		BASE & PIN 2P (P=2.0MM-I)	5056415228	LEOCO
		B2B-PH (JST)	-	
P024		PIN(RCA) Jack	5056302063	LEOCO
		SCP-621UNS800/LP-0843-2 OR	-	
P050		SLOT 30P CONNECTOR	5056301519	LEOCO
		SLOT-030-4B5(RA) 2.54mm	-	
PJ03		D-sub Connector	5056309125	LEOCO
		DAR-15SH-G-3-BA5/1285-004-98C	-	
PJ04		EARPHON JACK 3.50	5056300104	LEOCO
		SCJ-0349A-U-BL	-	
PJ11		BASE & PIN	5056415484	LEOCO
	-	2011P04H000 (LEOCO)		

CKT No		Sjpecification	Part Number	Vender
Q001		TR. LF PNP HSMC	6624003700	ZOWIE
		HTIP42C 100V 6A TO-220		
Q002	RA	TR. LF PNP HSMC	6622002257	ZOWIR
		MMBT3904 SOT-23 60V 0.1A	-	
Q002	RB	TR NPN HF SMD FAIR	6621038451	FAIR
		KST3904 40V/0.2A	L7C	

Q002	RC	TR NPN SMD DII	6622002259	DII
		MMBT3904-7 SOT-23 40V 0.2A	-	
Q002	RD	TR NPN HF KEC	6621015356	ZOWIE
		KN3904S SOT-23 60V 0.2A	L5PHS	
Q003	RA	TR NPN SMD ZOWIE	6622002257	ZOWIE
		MMBT3904 SOT-23 60V 0.1A	-	
Q003	RB	TR NPN HF SMD FAIR	6621038451	FAIR
		KST3904 40V/0.2A	L7C	
Q003	RC	TR NPN SMD DII	6622002259	DII
		MMBT3904-7 SOT-23 40V 0.2A	-	
Q003	RD	TR NPN HF KEC	6621015356	ZOWIE
		KN3904S SOT-23 60V 0.2A	L5PHS	
Q004	RA	TR NPN SMD ZOWIE	6622002257	ZOWIE
		MMBT3904 SOT-23 60V 0.1A	-	
Q004	RB	TR NPN HF SMD FAIR	6621038451	FAIR
		KST3904 40V/0.2A	L7C	
Q004	RC	TR NPN SMD DII	6622002259	ZII
		MMBT3904-7 SOT-23 40V 0.2A	-	
Q004	RD	TR NPN HF KEC	6621015356	ZOWIE
		KN3904S SOT-23 60V 0.2A	L5PHS	
Q005	-	TR.FET MOS N-CH ROHM	6626002752	ZOWIE
		2SK2731T146 30V/0.2A SMT3	-	
		KN3904S SOT-23 60V 0.2A	L5PHS	
Q008	RD	TR NPN HF KEC	6621015356	ZOWIE
		KN3904S SOT-23 60V 0.2A	L5PHS	
Q020	RA	TR NPN SMD ZOWIE	6622002257	ZOWIE
		MMBT3904 SOT-23 60V 0.1A	-	
Q020	RB	TR NPN HF SMD FAIR	6621038451	FAIR
		KST3904 40V/0.2A	L7C	
Q020	RC	TR NPN SMD DII	6622002259	DII
		MMBT3904-7 SOT-23 40V 0.2A	-	
Q020	RD	TR NPN HF KEC	6621015356	ZOWIE
		KN3904S SOT-23 60V 0.2A	L5PHS	
Q022	RA	TR NPN SMD ZOWIE	6622002257	ZOWIE
		MMBT3904 SOT-23 60V 0.1A	-	
Q022	RB	TR NPN HF SMD FAIR	6621038451	FAIR
		KST3904 40V/0.2A	L7C	
Q022	RC	TR NPN SMD DII	6622002259	DII
		MMBT3904-7 SOT-23 40V 0.2A	-	
Q022	RD	TR NPN HF KEC	6621015356	ZOWIE
		KN3904S SOT-23 60V 0.2A	L5PHS	
CKT No		**Sjpecification**	**Part Number**	**Vender**
Q023	RA	TR PNP HF SMD FAIR	6623002956	ZOWIE
		MMBT3906 SOT-23 40V 0.2A	L7THSDP-J05	
Q023	RB	TR PNP HF SMD FAIR	6623014351	FAIR
		KST3906 -40V/0.2A	L7C	
Q023	RC	TR PNP SMD DII	6623003051	DII
		MMBT3906-7 SOT-23 40V 0.2A	L5CNSDP-U09	
R001	-	RESISTOR,THICK FILM CHIP 0603	5134330109	YAGEO
		RMC 1/16W 300.00J T	-	
R002	-	RESISTOR,THICK FILM CHIP 0603	5134330109	YAGEO
		RMC 1/16W 300.00J T	-	
R003	-	RESISTOR,THICK FILM CHIP 0603	5134327209	YAGEO
		RMC 1/16W 2.70KJ T	-	
R006	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R007	-	RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
		RMC 1/16W 75.00 J T	-	
R008		RESISTOR,THICK FILM CHIP 0603	5134310109	YAGEO

	-	RMC 1/16W 100.00 J_T	-	
R009		RESISTOR,THICK FILM CHIP 0603	5134310109	YAGEO
	-	RMC 1/16W 100.00 J_T	-	
R010		RESISTOR,THICK FILM CHIP 0603	5134310109	YAGEO
	-	RMC 1/16W 100.00 J_T	-	
R011		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R012		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R014		RESISTOR,THICK FILM CHIP 0603	5134310009	YAGEO
	-	RMC 1/16W 10.00 J T	-	
R020		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R021		RESISTOR,THICK FILM CHIP 0603	5134347209	YAGEO
	-	RMC 1/16W 4.70KJ	71F7674	
R023		RESISTOR,THICK FILM CHIP 0603	5134310209	YAGEO
	-	RMC 1/16W 1.00KJ	71F7670	
R024		RESISTOR,THICK FILM CHIP 0603	5134347209	YAGEO
	-	RMC 1/16W 4.70KJ	71F7674	
R025		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R027		RESISTOR,THICK FILM CHIP 0603	5134322209	YAGEO
	-	RMC 1/16W 2.20KJ T	-	
R028		RESISTOR,THICK FILM CHIP 0603	5134347009	YAGEO
	-	RMC 1/16W 47.00 J T	-	
R029		RESISTOR,TMICK FILM CHIP 0603	5134318009	YAGEO
	-	RMC 1/16W 18.00 J T	-	
R031		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R032		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R033		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R035		RESISTOR,THICK FILM CHIP 0603	5134310509	YAGEO
	-	RMC 1/16W 1.00MJ T	-	
R036		RESISTOR,THICK FILM CHIP 0603	5134327209	YAGEO
	-	RMC 1/16W 2.70KJ T	-	
R037		RESISTOR,THICK FILM CHIP 0603	5134322309	YAGEO
	-	RMC 1/16W 22.00KJ T	-	
R038		RESISTOR,THICK FILM CHIP 0603	5134310509	YAGEO
	-	RMC 1/16W 1.00MJ T	-	
CKT No		**Sjpecification**	**Part Number**	**Vender**
R039		RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
	-	RMC 1/16W 10.00KJ	71G7676	
R040		RESISTOR,TMICK FILM CHIP 0603	5134336309	YAGEO
	-	RMC 1/16W 36.00KJJ T	-	
R041		RESISTOR,THICK FILM CHIP 0603	5134347409	YAGEO
	-	RMC 1/16W 470.00KJ	-	
R042		RESISTOR,THICK FILM CHIP 0603	5134310109	YAGEO
	-	RMC 1/16W 100.00 J_T	-	
R043		RESISTOR,THICK FILM CHIP 0603	5134310109	YAGEO
	-	RMC 1/16W 100.00 J_T		
R044		RESISTOR,THICK FILM CHIP 0603	5134310109	YAGEO
	-	RMC 1/16W 100.00 J_T	-	
R045		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R046		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R050		RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO

	-	RMC 1/16W 10.00KJ	71G7676	
R053	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R055	-	RESISTOR,THICK FILM CHIP 0603	5134310009	YAGEO
		RMC 1/16W 10.00 J T	-	
R057	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R059	-	RESISTOR,THICK FILM CHIP 0603	5134310009	YAGEO
		RMC 1/16W 10.00 J T	-	
R060	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R088	-	RESISTOR,THICK FILM CHIP 0603	5134324209	YAGEO
		RMC 1/16W 2.40KJ T	-	
R089	-	RESISTOR,THICK FILM CHIP 0603	5134324209	YAGEO
		RMC 1/16W 2.40KJ T	-	
R092	-	RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
		RMC 1/16W 10.00KJ	71G7676	
R093	-	RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
		RMC 1/16W 10.00KJ	71G7676	
R094	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R095	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R096	-	RESISTOR,THICK FILM CHIP 0603	5134347209	YAGEO
		RMC 1/16W 4.70KJ	71F7674	
R097	-	RESISTOR,THICK FILM CHIP 0603	5134351109	YAGEO
		RMC 1/16W 510.00 J T	-	
R098	-	RESISTOR,THICK FILM CHIP 0603	5134351109	YAGEO
		RMC 1/16W 510.00 J T	-	
R099	-	RESISTOR,THICK FILM CHIP 0603	5134315209	YAGEO
		RMC 1/16W 1.50KJ T	-	
R100	-	RESISTOR,THICK FILM CHIP 0603	5134315209	YAGEO
		RMC 1/16W 1.50KJ T	-	
R101	-	RESISTOR,THICK FILM CHIP 0603	5134347209	YAGEO
		RMC 1/16W 4.70KJ	71F7674	
R103	-	RESISTOR,THICK FILM CHIP 0603	5134327109	YAGEO
		RMC 1/16W 270.00 J T	-	
R104	-	RESISTOR,THICK FILM CHIP 0603	5134347309	YAGEO
		RMC 1/16W 17.00KJ T		
R105	-	RESISTOR,THICK FILM CHIP 0603	5134310209	YAGEO
		RMC 1/16W 1.00KJ	71F7670	

CKT No		Sjpecification	Part Number	Vender
R107	-	RESISTOR,THICK FILM CHIP 0603	5134347209	YAGEO
		RMC 1/16W 4.70KJ	71F7674	
R108	-	RESISTOR,THICK FILM CHIP 0603	5134322209	YAGEO
		RMC 1/16W 2.20KJ T	-	
R109	-	RESISTOR,THICK FILM CHIP 0603	5134324109	YAGEO
		RMC 1/16W 240.00 J T	-	
R110	-	RESISTOR,THICK FILM CHIP 0603	5134327109	YAGEO
		RMC 1/16W 270.00 J T	-	
R111	-	RESISTOR,THICK FILM CHIP 0603	5134324109	YAGEO
		RMC 1/16W 240.00 J T	-	
R112	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R113	-	RESISTOR,THICK FILM CHIP 0603	5134351109	YAGEO
		RMC 1/16W 510.00 J T	-	
R115	-	RESISTOR,TMICK FILM CHIP 0603	5134322909	YAGEO
		RMC 1/16W 2.200 J T	-	
R117		RESISTOR,THICK FILM CHIP 0603	5134310209	YAGEO

	-	RMC 1/16W 1.00KJ	71F7670	
R118		RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
	-	RMC 1/16W 10.00KJ	71G7676	
R119		RESISTOR,THICK FILM CHIP 0603	5134324209	YAGEO
	-	RMC 1/16W 2.40KJ T	-	
R120		RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
	-	RMC 1/16W 10.00KJ	71G7676	
R121		RESISTOR,THICK FILM CHIP 0603	5134324209	YAGEO
	-	RMC 1/16W 2.40KJ T	-	
R122		RESISTOR,THICK FILM CHIP 0603	5134324209	YAGEO
	-	RMC 1/16W 2.40KJ T	-	
R123		RESISTOR,THICK FILM CHIP 0603	5134347209	YAGEO
	-	RMC 1/16W 4.70KJ	71F7674	
R124		RESISTOR,THECK FILM CHIP 0603	5134333009	YAGEO
	-	RMC 1/16W 33.00J T	-	
R125		RESISTOR,THICK FILM CHIP 0603	5134327109	YAGEO
	-	RMC 1/16W 270.00 J T	-	
R126		RESISTOR,THECK FILM CHIP 0603	5134333009	YAGEO
	-	RMC 1/16W 33.00J T	-	
R127		RESISTOR,THICK FILM CHIP 0603	5134310109	YAGEO
	-	RMC 1/16W 100.00 J_T	-	
R128		RESISTOR,THICK FILM CHIP 0603	5134347309	YAGEO
	-	RMC 1/16W 47.00KJ T	-	
R134		RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
	-	RMC 1/16W 10.00KJ	71G7676	
R136		RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
	-	RMC ,1/16W 0.00 J T	-	
R137		RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
	-	RMC 1/16W 10.00KJ	71G7676	
R138		RESISTOR,THICK FILM CHIP 0603	5134324209	YAGEO
	-	RMC 1/16W 2.40KJ T	-	
R139		RESISTOR,THICK FILM CHIP 0603	5134347309	YAGEO
	-	RMC 1/16W 47.00KJ T	-	
R141		RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
	-	RMC 1/16W 10.00KJ	71G7676	
R142		RESISTOR,TMICK FILM CHIP 0603	5134322909	YAGEO
	-	RMC 1/16W 2.200 J T	-	
R143		RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
	-	RMC 1/16W 10.00KJ	71G7676	
CKT No		**Sjpecification**	**Part Number**	**Vender**
R147		RESISTOR,THECK FILM CHIP 0603	5134333009	YAGEO
	-	RMC 1/16W 33.00J T	-	
R152		RESISTOR,THICK FILM CHIP 0603	5134310209	YAGEO
	-	RMC 1/16W 1.00KJ	71F7670	
R153		RESISTOR,THICK FILM CHIP 0603	5134310209	YAGEO
	-	RMC 1/16W 1.00KJ	71F7670	
R157		RESISTOR,THICK FILM CHIP 0603	5134310209	YAGEO
	-	RMC 1/16W 1.00KJ	71F7670	
R165		RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
	-	RMC ,1/16W 0.00 J T	-	
R166		RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
	-	RMC ,1/16W 0.00 J T	-	
R169		RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
	-	RMC ,1/16W 0.00 J T	-	
R170		RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
	-	RMC ,1/16W 0.00 J T	-	
R171		RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
	-	RMC ,1/16W 0.00 J T	-	
R172		RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO

	-	RMC 1/16W 10.00KJ	71G7676	
R177		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R178		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R179		RESISTOR,THICK FILM CHIP 0603	5134310009	YAGEO
	-	RMC 1/16W 10.00 J T	-	
R180		RESISTOR,THICK FILM CHIP 0603	5134310009	YAGEO
	-	RMC 1/16W 10.00 J T	-	
R181		RESISTOR,THICK FILM CHIP 0603	5134310009	YAGEO
	-	RMC 1/16W 10.00 J T	-	
R182		RESISTOR,THICK FILM CHIP 0603	5134310009	YAGEO
	-	RMC 1/16W 10.00 J T	-	
R183		RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
	-	RMC ,1/16W 0.00 J T	-	
R184		RESISTOR,THICK FILM CHIP 0603	5134310009	YAGEO
	-	RMC 1/16W 10.00 J T	-	
R185		RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
	-	RMC ,1/16W 0.00 J T	-	
R186		RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
	-	RMC ,1/16W 0.00 J T	-	
R187		RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
	-	RMC ,1/16W 0.00 J T	-	
R188		RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
	-	RMC ,1/16W 0.00 J T	-	
R189		RESISTOR,THICK FILM CHIP 0603	5134310009	YAGEO
	-	RMC 1/16W 10.00 J T	-	
R190		RESISTOR,THICK FILM CHIP 0603	5134310509	YAGEO
	-	RMC 1/16W 1.00MJ T	-	
R191		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R192		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R193		RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
	-	RMC 1/16W 10.00KJ	71G7676	

CKT No		Sjpecification	Part Number	Vender
R195		RESISTOR,THICK FILM CHIP 0603	5134310509	YAGEO
	-	RMC 1/16W 1.00MJ T	-	
R196		RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
	-	RMC 1/16W 10.00KJ	71G7676	
R197		RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
	-	RMC 1/16W 10.00KJ	71G7676	
R199		RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
	-	RMC ,1/16W 0.00 J T	-	
R201		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R202		RESISTOR,THICK FILM CHIP 0603	5134310209	YAGEO
	-	RMC 1/16W 1.00KJ	71F7670	
R203		RESISTOR,THICK FILM CHIP 0603	5134347209	YAGEO
	-	RMC 1/16W 4.70KJ	71F7674	
R204		RESISTOR,THICK FILM CHIP 0603	5134310409	YAGEO
	-	RMC 1/16W 100.00KJ T	-	
R205		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R206		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
	-	RMC 1/16W 75.00 J T	-	
R207		RESISTOR,THICK FILM CHIP 0603	5134347209	YAGEO
	-	RMC 1/16W 4.70KJ	71F7674	
R211		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO

	-	RMC 1/16W 75.00 J T	-	
R213	-	RESISTOR,THICK FILM CHIP 0603	5134347209	YAGEO
		RMC 1/16W 4.70KJ	71F7674	
R218	-	RESISTOR,THICK FILM CHIP 0603	5134356009	YAGEO
		REC 1/16W 56.00 J T	-	
R220	-	RESISTOR,THICK FILM CHIP 0603	5134310209	YAGEO
		RMC 1/16W 1.00KJ	71F7670	
R221	-	RESISTOR,THICK FILM CHIP 0603	5134310209	YAGEO
		RMC 1/16W 1.00KJ	71F7670	
R222	-	RESISTOR,THICK FILM CHIP 0603	5134322209	YAGEO
		RMC 1/16W 2.20KJ T	-	
R223	-	RESISTOR,THICK FILM CHIP 0603	5134322209	YAGEO
		RMC 1/16W 2.20KJ T	-	
R224	-	RESISTOR,THICK FILM CHIP 0603	5134315109	YAGEO
		RMC 1/16W 150.00 J T	-	
R227	-	RESISTOR,THICK FILM CHIP 0603	5134356009	YAGEO
		REC 1/16W 56.00 J T	-	
R235	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R237	-	RESISTOR,THECK FILM CHIP 0603	5134333009	YAGEO
		RMC 1/16W 33.00J T	-	
R239	-	RESISTOR,THICK FILM CHIP 0603	5134310509	YAGEO
		RMC 1/16W 1.00MJ T	-	
R250	-	RESISTOR,THICK FILM CHIP 0603	5134347009	YAGEO
		RMC 1/16W 47.00 J T	-	
R253	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R254	-	RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
		RMC 1/16W 10.00KJ	71G7676	
R255	-	RESISTOR,THICK FILM CHIP 0603	5134310209	YAGEO
		RMC 1/16W 1.00KJ	71F7670	
R257	-	RESISTOR,THICK FILM CHIP 0603	5134368209	YAGEO
		RMC 1/16W 6.80KJ T	-	
R260	-	RESISTOR,THICK FILM CHIP 0603	5134347109	YAGEO
		RMC 1/16W 470.00 J T	-	

CKT No		Sjpecification	Part Number	Vender
R261		RESISTOR,THICK FILM CHIP 0603	5134375009	YAGEO
		RMC 1/16W 75.00 J T		
R263	-	RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
		RMC 1/16W 10.00KJ	71G7676	
R264	-	RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
		RMC 1/16W 10.00KJ	71G7676	
R271	-	RESISTOR,TMICK FILM CHIP 0603	5134318009	YAGEO
		RMC 1/16W 18.00 J T	-	
R272	-	RESISTOR,THICK FILM CHIP 0603	5134356009	YAGEO
		REC 1/16W 56.00 J T	-	
R273	-	RESISTOR,THICK FILM CHIP 0603	5134356009	YAGEO
		REC 1/16W 56.00 J T	-	
R274	-	RESISTOR,TMICK FILM CHIP 0603	5134318009	YAGEO
		RMC 1/16W 18.00 J T	-	
R275	-	RESISTOR,THICK FILM CHIP 0603	5134356009	YAGEO
		REC 1/16W 56.00 J T	-	
R276	-	RESISTOR,TMICK FILM CHIP 0603	5134318009	YAGEO
		RMC 1/16W 18.00 J T	-	
R277	-	RESISTOR,THICK FILM CHIP 0603	5134356009	YAGEO
		REC 1/16W 56.00 J T	-	
R278	-	RESISTOR,TMICK FILM CHIP 0603	5134318009	YAGEO
		RMC 1/16W 18.00 J T	-	
R279		RESISTOR,TMICK FILM CHIP 0603	5134318009	YAGEO

	-	RMC 1/16W 18.00 J T	-	
R280	-	RESISTOR,THICK FILM CHIP 0603	5134356009	YAGEO
		REC 1/16W 56.00 J T	-	
R281	-	RESISTOR,TMICK FILM CHIP 0603	5134318009	YAGEO
		RMC 1/16W 18.00 J T	-	
R282	-	RESISTOR,THICK FILM CHIP 0603	5134356009	YAGEO
		REC 1/16W 56.00 J T	-	
R284	-	RESISTOR,THICK FILM CHIP 0603	5134356009	YAGEO
		REC 1/16W 56.00 J T	-	
R286	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R287	-	RESISTOR,THICK FILM CHIP 0603	5134310109	YAGEO
		RMC 1/16W 100.00 J_T	-	
R294	-	RESISTOR,THECK FILM CHIP 0603	5134333009	YAGEO
		RMC 1/16W 33.00J T	-	
R306	-	RESISTOR,THICK FILM CHIP 0603	5134347209	YAGEO
		RMC 1/16W 4.70KJ	71F7674	
R309	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R310	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R313	-	RESISTOR,THICK FILM CHIP 0603	5134310309	YAGEO
		RMC 1/16W 10.00KJ	71G7676	
R314	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R317	-	RESISTOR,THICK FILM CHIP 0603	5134347209	YAGEO
		RMC 1/16W 4.70KJ	71F7674	
R319	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R321	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R323	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R330	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
CKT No		**Sjpecification**	**Part Number**	**Vender**
R331	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R346	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R347	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R348	-	RESISTOR,THICK FILM CHIP 0603	5134310209	YAGEO
		RMC 1/16W 1.00KJ	71F7670	
R349	-	RESISTOR,THICK FILM CHIP 0603	5134310209	YAGEO
		RMC 1/16W 1.00KJ	71F7670	
R352	-	RESISTOR,THICK FILM CHIF 0603	5134351009	YAGEO
		RM0.1/16W 51.00 J T	-	
R360	-	RESISTOR,THICK FILM CHIP 0603	5134310109	YAGEO
		RMC 1/16W 100.00 J_T	-	
R362	-	RESISTOR,THICK FILM CHIP 0603	5134310109	YAGEO
		RMC 1/16W 100.00 J_T	-	
R363	-	RESISTOR,THICK FILM CHIP 0603	5134300009	YAGEO
		RMC ,1/16W 0.00 J T	-	
R364	-	RESISTOR,THICK FILM CHIP 0603	5134320209	YAGEO
		RMC 1/16W 2.00KJ T	-	
R365	-	RESISTOR,THICK FILM CHIP 0603	5134320209	YAGEO
		RMC 1/16W 2.00KJ T	-	
RP07		RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO

	-	YCN164101JR 1/16W 100.00 J X4	-	
RP08	-	RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP09	-	RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP10	-	RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP11	-	RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP12	-	RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP19	-	RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP20	-	RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP27	-	RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP28		RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP29		RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP30		RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP31		RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP32		RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP34		RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
RP36		RESISTOR,NETWORK DIP SMD REEL	5160310900	YAGEO
		YCN164101JR 1/16W 100.00 J X4	-	
U0610		PCB	5053106100	YAGEO
		PWB-0610-01 160x270 4L	-	
X001		CRYSTAL	6699134506	Gia-tzoong
		24.576MHZ 22PF 30PPM	-	
CKT No		**Sjpecification**	**Part Number**	**Vender**
X002		CRYSTAL	6699106034	Gia-tzoong
		14.318MHZ 30PF 30PPM AT-49/S	-	
X003		CRYSTAL	6699106034	Gia-tzoong
		14.318MHZ 30PF 30PPM AT-49/S	-	
X004		CRYSTAL	6699134506	Gia-tzoong
		24.576MHZ 22PF 30PPM	-	
X005	-	CRYSTAL	6699137936	Gia-tzoong
		3.579545MHZ 16PF 25PPM NDK	-	
X008		CRYSTAL UNIT	6699153630	Gia-tzoong
		18.432MHZ 20PPM 12PF H.ELE	-	

12.2 Tuner PCB (PWB-0564)

CKT No		Sjpecification	Part Number	Vender
CT01	-	CAP.,ELECTROLYTIC 105C MVY	5218007991	TEAPO
		SMD 16V 100.00UFM T 6.0x5.0	-	
CT02	-	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
		Y5V 25V 0.10UFZ T 0603	-	
CT03	-	CAP,ELECTROLITIC(105C) MVY	5218007891	TEAPO
		CE04W 16V 10.00UFM T 4x5	-	
CT05	-	CAPACITOR,MONOLITHIC SMD RELL	5230005491	PHILIPS
		Y5V 25V 0.10UFZ T 0603	-	
CT06	-	CAPACITOR,MONOLITHIC SMD REEL	5240647091	PHILIPS
		NPO 50V 47.00PFJ T 0603	-	
CT07	-	RESISTOR,THICK FILM CHIP 0603	5134300009	PHILIPS
		RMC ,1/16W 0.00 J T	-	
CT08	-	CAP.,ELECTROLYTIC(105C) SMD	5218008991	PHILIPS
		16V 47.00UFM T 6x5.4	-	
LT01	-	COIL,PEAKING	5064410129	PHILIPS
		TRF-8101J 100.00UH J T	-	
LT02	-	COIL,PEAKING	5064410129	PHILIPS
		TRF-8101J 100.00UH J T	-	
RT02	-	RESISTOR,THICK FILM CHIP 0603	5134300009	PHILIPS
		RMC ,1/16W 0.00 J T	-	
RT03	-	RESISTOR,THICK FILM CHIP 0603	5134310209	PHILIPS
		RMC 1/16W 1.00KJ	71F7670	
RT07	-	RESISTOR,THICK FILM CHIP 0603	5134300009	PHILIPS
		RMC ,1/16W 0.00 J T	-	
RT21	-	RESISTOR,THICK FILM CHIP 0603	5134300009	PHILIPS
		RMC ,1/16W 0.00 J T	-	
U0564	-	PCB	5053105640	PHILIPS
		PWB-0564-02 116x110/2PC 2L	-	
UT01	-	TUNER,DESKTOP SYSTEM PHILIPS	5000100058	PHILIPS
		FQ1236 F H-3 MK3 SV21 FOR USA	V20CATW-U01	

12.3 I/O PCB (PWB-0612)

CKT No		Sjpecification	Part Number	Vender
P002	-	RCA JACK	5056302039	
		LP-0843-3R / SCP621VNS200	-	
P003	-	RCA JACK LIH SHENG	5056302054	
		LP-0843-2W/SCP621UNS300	-	
P004	-	RCA JACK	5056302039	
		LP-0843-3R / SCP621VNS200	-	
P008	-	RCA JACK LIH SHENG	5056302055	
		LP-0843-2Y/SCP621UNS400	-	
P009	-	RCA JACK LIH SHENG	5056302057	
		LP-0843-2GR/SCP621UNS700	-	
P010	-	DIN JACK	5056302049	
		MDSL-04SE0A	-	
P011	-	RCA JACK LIH SHENG	5056302058	
		LP-0843-2L/SCP621UNS500	-	
P012	-	RCA JACK	5056302039	
		LP-0843-3R / SCP621VNS200	-	
P020	-	RCA JACK LIH SHENG	5056302054	
		LP-0843-2W/SCP621UNS300	-	
U0612	-	PCB	5053106120	
		PWB-0612-01 80x156/2PC 2L	-	

12.4 Key PCB (PWB-0565-1)

CKT No	Sjpecification	Part Number	Vender
J611	WIRE,TIN COATED SOFT COPPER	6119210605	
	7TSP-0.6-5	-	
J612	WIRE,TIN COATED SOFT COPPER	6119210605	
	7TSP-0.6-5	-	
J613	WIRE,TIN COATED SOFT COPPER	6119210605	
	7TSP-0.6-5	-	
P602	BASE & PIN	5056416038	
	S10B-PH-K (JST)	-	
S601	SWITCH,TACT SPST SKHHAM2520-TT	5054512951	
	DC12V50MA F=160GF H=5MM	-	
S602	SWITCH,TACT SPST SKHHAM2520-TT	5054512951	
	DC12V50MA F=160GF H=5MM	-	
S603	SWITCH,TACT SPST SKHHAM2520-TT	5054512951	
	DC12V50MA F=160GF H=5MM	-	
S604	SWITCH,TACT SPST SKHHAM2520-TT	5054512951	
	DC12V50MA F=160GF H=5MM	-	
S605	SWITCH,TACT SPST SKHHAM2520-TT	5054512951	
	DC12V50MA F=160GF H=5MM	-	
S606	SWITCH,TACT SPST SKHHAM2520-TT	5054512951	
	DC12V50MA F=160GF H=5MM	-	
S607	SWITCH,TACT SPST SKHHAM2520-TT	5054512951	
	DC12V50MA F=160GF H=5MM	-	
S608	SWITCH,TACT SPST SKHHAM2520-TT	5054512951	
	DC12V50MA F=160GF H=5MM	-	
U0565	PCB	5053105650	TKE
	PWB-0565-01 173x156/6PC	-	

12.5 PCB IR (PWB-0565-2)

CKT No	Sjpecification	Part Number	Vender
C601	CAPACITOR,ELECTROLYTIC(105C)	5214020802	
	CE04W 16V 10.00UFM * 4X7	-	
D601	Diode LED PARA	6618018167	
	L-5T8YG1B1W-DPE1.5-D2	-	
IR01	IC,DIGITAL	6646036600	
	PL-IRM0101-3	-	
P601	BASE AND PIN	5056415685	
	2011P06H000 LEOCO	-	
R601	RESISTOR,CARBON FILM	5142110295	
	RD S B 1/6W 1.00KJ T	-	
R602M	SENSOR HOLDER	5642678900	
	V23CNTT-D01	M-K-21822G1	

12.6 Panel / Miscellaneous / Accessory

CKT No		Sjpecification	Part Number	Vender
V901	-	23" TFT LCD Panel Module LG	5051253645	LG
		LC230W01-A2	-	
P005A	-	Wire Ass'y W/20P Conn.	5057420022	
		1571#28 DF14-20S Core L=210mm	-	
P005B	-	TAPE OF AL FOIL(50X20)	5648006506	
		L7THSPP	M-K-21603G7	
P015A	-	Wire Ass'y W/6P Conn.	5057406137	
		1007#24 A2001-6P Core L=450mm	-	
P021A	-	Wire Ass'y W/10P Conn.	5057410109	
		2464#24 2001-10P Core	-	
P021B	-	ADHESIVE,HOLT MELT	5036200701	
		LB-1101(1.1x30.0CM) UL94V0	-	
P023A	-	Wire Ass'y W/2P Conn.	5057402289	
		2464#24 A2001H02 L=120mm	-	
P802A	-	Wire Ass'y W/12P/8P Conn.	5057412026	
		1007 A2001-12/8P Core L=300mm	-	
PJ11A	-	Wire Ass'y W/4P Conn.	5057404358	
		2562 A2001/A2501/C2501 L=770mm	-	
2B03	-	MODEL LABEL	5030507005	
		V23CLLT-U01、U02	K-010330	
PB01		POWER MODULE HJC	5000100076	
		120W AC110/220V 24V/4.5A,5V/3A	V23CLAM	
P101		WIRE ASS'Y,SIGNAL CABLE 15P	5057415165	
		2919(3+9) D-SUB&CORE*2 8 L1800	-	
SP01	RA	SPEAKER 2" AL MEI SHAN	5055123800	
		SPK-238 8-OHM 5W 52.9X52.9mm	V23LCD TV	
SP01	RB	SPEAKER 2" AL 050PU20D5W-A1 ST	5055123801	
		SPK-238A 8-OHM 5W 52.9X52.9mm	V23LCD TV	
SP02	RA	SPEAKER 2" AL MEI SHAN	5055123800	
		SPK-238 8-OHM 5W 52.9X52.9mm	V23LCD TV	
SP02	RB	SPEAKER 2" AL 050PU20D5W-A1 ST	5055123801	
		SPK-238A 8-OHM 5W 52.9X52.9mm	V23LCD TV	
P801	-	POWER CORD,SET	5056705900	
		UL SVT#18X3C 1.8M BLK SHIELDED	CM-13B	
RT01	-	REMOTE CONTROL FORWARD	5000100072	FORWARD
		CR46DD0003T-TT 38KHZ	V23/V30	
Y001	-	USER'S MANUAL	5030007009	
		V23CLTT-U01	-	
Y002	-	WARRANTY CARD	5030250013	
		V23CLTT-U02 WAL MARK	-	
Y003	-	SIMPLE INSTRUCTION MANUAL	5030057011	
		V23CLTT-U02 WAL MARK	-	

12.7 Power Module (HOAU232003)

No	Sjpecification	Part Number
0002 01	CAP CHIP 0805 X7R K 4700pF/50V	CS472KCF40
0003 01	CAP CHIP 0.47uF/25V K X7R0805	CS474KCF40
0004 01	CAP CHIP 220Pf/50v k x7r 0805	Cs221kcf40
0005 01	CAP CHIP 0.1uF/50V Z Y5V 0805	CS104ZAF10
0007 01	CAP CHIP 0.01uF/50V K X7R 0805	CS103KCF40
0008 01	CAP CHIP 470pF50V X7R K 0805	CS471KCF40
0009 01	CAP CHIP 0805 X7R K 2200Pf/50V	CS222KCF40
0010 01	CAP CD 470pF/500V K Y5P F5	CC471KAP29
0012 01	CAP MFF 0.47uF/400V DC	C4474020C1
0013 01	CAP X2 0.474uF/275VAC K P15	CX474KBLOH
0014 01	CAP EC 22uF/50V M	CE22672FD4 CE226MBFHS
0015 01	CAP EC 47uV/50V M	CE47672FD4 CE476MBFHS
0016 01	CAP 120uF/420V M	CE127722K1 CE127722A1
0017 01	CAP EC 470Uf/35V M	CE47772EI1 CE477MBEGS
0018 01	CAP EC 1000uF/6.3V M	CE108MBAI7 CE108MBAGS
0019 01	CAP Y1 2200pF/250V M	CY222MAK00 CY22271KF1
0020 01	CAP Y2 2200pF250VAC M	CZ222MAK10 CZ22272Kf1
0021 01	CAP Y1 3300 pF /250V M	CY33271KJ1 CY33271Kf1
0022 01	RES MOF 47KΩ J 2W	R0473J02WB
0023 01	RES NIC 2.5Ω L 5A	RN2R5L05HB
0024 01	RES WW-N 1W 0.15Ω J	RLR15J01WB
0025 01	RES CF 1MΩ J 1/2W AT	RC105JOAWO
0026 01	FUSE-T 3.15A 250V MICRO RT	FNT2BTM064
0027 01	VARISTOR 470V K 7.5ϕ	SV471K32NO
0028 01	RES CHIP 1/8W 2.49 KΩ F 0805	RH24910CS0
0029 01	RES CHIP 2.2 KΩ F 1/8W 0805	RH2201530A

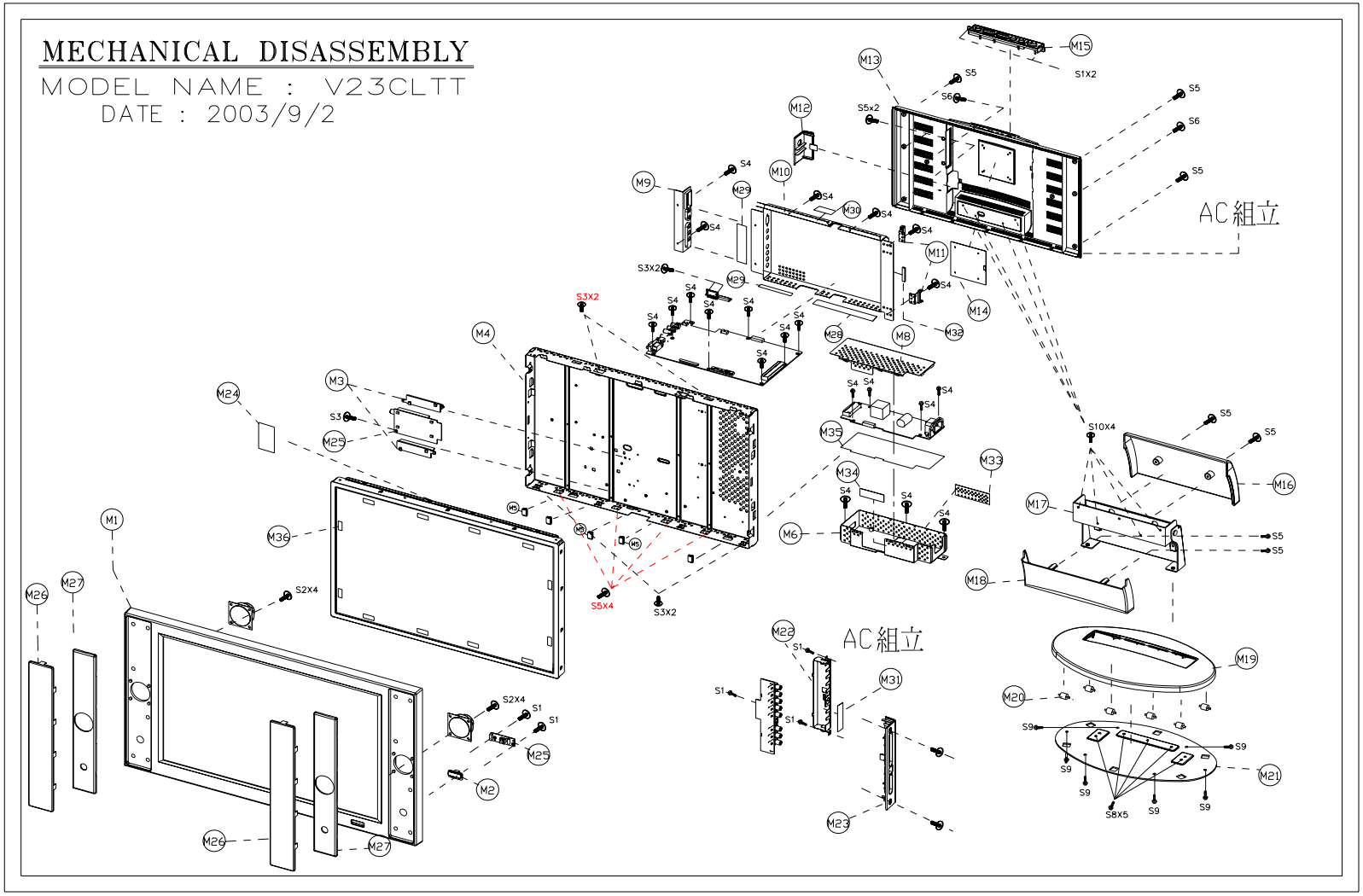
No	Sjpecification	Part Number
0030 01	RES CHIP 1206 1/4W 2MΩ J	RH205JOBSO
0031 01	RES CHIP 10KΩJ 1/8W 0805	RH103JOCSO
0032 01	RES CHIP 0805 1/8W 10Ω J	RH100J0CSO
0033 01	RES CHIP 10Ω J 1/4W 1206	RH100JOBSO
0034 01	RES CHIP 33Ω J 1/4W 1206	RH330JOBSO
0035 01	RES CHIP 22Ω J 1/4W 1206	RH220JOBSO
0036 01	RES CHIP 11KΩ J 1/8W 0805	RH113JOBSO
0037 01	RES CHIP 1KΩ J 1/8W 0805	RH102JOBSO
0038 01	RES CHIP 1MΩ J 1/4W 1206	RH105JOBSO
0039 01	RES CHIP 3.3KΩ F 1/8W 0805	RH33010CSO
0040 01	RES CHIP 4.7Ω J 1/4W 1206	RH4R7JOBSO
0041 01	RES CHIP 12KΩ F 1/8W 0805	RH1202530A
0042 01	RES CHIP 11.0KΩ F 1/8W 0805	RH11020CSO
0043 01	RES CHIP 22.1 KΩ F 1/8W 0805	RH22120CSO
0044 01	RES CHIP 8.2KΩ 1/8W 0805	RH822JOCSO
0045 01	RES CHIP 22KΩ J 1/8W 0805	RH223JOCSO
0046 01	RES CHIP	RH180JOBSO
0047 01	RES CHIP	RH222JOCSO
0048 01	RES CHIP	RH000J530A
0049 01	RES CHIP	RH00000BSO
0050 01	RES CHIP	RH331JOCSO
0051 01	RES CHIP	RH273JOCSO
0052 01	RES CHIP	RH28720CSO
0053 01	RES CHIP	RH470JOBSO
0054 01	RES CHIP	RH23JOBSO
0055 01	RES CHIP	RH514JOCSO
0056 01	RES CHIP	RH514JOBSO

No	Sjpecification	Part Number
0057 01	RES CHIP 620KΩ J 1/8W 0805	RH624JOCSO
0058 01	RES CHIP1/4W 1.5KΩ J 1206	RH152JOBSO
0059 01	JUMPER WIRE 0.8φ 8mm	WJZ0000002
0060 01	JUMPEWIRE 0.6φ 14mm	WJZ0000023
0061 01	JUMPEWIRE 0.6φ 22.5mm	WJ90000008
0062 01	JUMPEWIRE 0.6φ 18mm	WJZ0000014
0063 01	JUMPEWIRE 0.6φ 4mm	WJZ0000003
0064 01	JUMPEWIRE 0.6φ 10mm	WJ41000003
0065 01	JUMPEWIRE 0.6φ 7.5mm	WJ30000002
0066 01	JUMPEWIRE 0.6φ 17mm	WJZ0000024
0067 01	JUMPEWIRE 0.6φ *12mm	WJZ0000012
0068 01	JUMPEWIRE 0.6φ *9mm	WJZ0000011
0069 01	DIO(S) FCH20A15 20A/150V	D071000317
0070 01	DIO(F) PR1003 1A/200V	D035001906
0071 01	DIO(F) RGP10M 1A 1KV AT(GS)	DFGP10M2WO D035000149
0072-01	DIO(S) SB360 3A/60V AT (PEC)	D075000216 DSSB3602WO
0073-01	DIO(B) GBU4J 4A/600V DIP	D061000616
0074-01	DIO(F) 3A/600V AT	D035000117
0075-01	DIO(G) IN4148 SMD	D032000306 DGL41482SC
0076-01	DIO(G) IN4007 1A 1KV AT	DGN40075WO
0077-01	XSTR(N) 2N7002 SOT-23 SMD	ST04200106
0078-01	XSTR N-MOSFET 2SK2996 SC-67	SMSK2996TD
0079-01	XSTR(N) PQFP13N50C 13A/500V	ST04100909
0080-01	XSTR N-MOSFET IRFZ34N DIP	ST04100423
0081-01	IC LTV817MC DIP	IC09100206 IET1109GVD
0082-01	IC TL431A 1% TO-92 DIP	IC08100157
0083-01	IC UC3843ADM SMD	IUC3843A5S

No	Sjpecification	Part Number
0084-01	IC L6561D S08 SMD	IC99200112
0085-01	IC PMM SG6841 SMD	IC042004D0
0086-01	XFMR PWR LP:310uH	LT311P0001
0087-01	CHK COIL R4*20 3uH CR0001	LC3R0R0001
0088-01	XFRM PWR RM-10	LT341R0001
0089-01	CHK COIL	LC10105002
0090-01	CHK COIL	LC24305001
0091-01	CHK COIL	LC70005002
0092-01	CHK COIL	LC1R505001
0093-01	CHK COIL	LC1R005001
0094-01	HEAT SINK	HC15028001
0095-01	HEAT SINK	HC15028002
0096-01	HEAT SINK	HA20000001
0097-01	PCB HOAU23	PAU2300101
0098-01	SCREW+S	SC2S300812
0099-01	SCREW F(+)	SC23500712
0100-01	SCREW P(+)	SC2158R012
0101-01	SCREW T(+)	SC14400612
0102-01	NUT	SCN3006FN
0103-01	SILI RUB	BR12404101
0104-01	BUSHING	BH2R66N001
0105-01	TUBE H.S	BUH1501301
0106-01	H.S TUBE	BUH0005380
0107-01	CONN WFR 30P	BP30310142
0108-01	CONN WFR 20P	BP20310102
0109-01	CONN WFR 8P	BP08210202
0110-01	AC-IN SKT 3P	BA03100410

No	Sjpecification	Part Number
0111-01	PAD	BI09R45001
0112-01	GROUNDING CONN	T00368R501
0112-01	BEAD CORE B15RH	LB15250016
0114-01	CARION	MCT00CA027
0115-01	CAROBOARD	MCT001A081
0116-01	CARDBOARD	MCT001A082
0117-01	CARDBOARD	MCT002A013
0118-01	PE BAG	BB16649001
0119-01	PE BAG POLY FOAM	BB41724001
0120-01	CARDBOARD	MCT002A022
0121-01	CAP CHIP 1000pF/50V K X7R 0805	CS102KCF40
0122-01	CAP CHIP 1uF/25V Z Y5V 1206	CH105ZAD10
0123-01	CAP CD 4700pF/1KV M Z5U FE	CC472MAR7P

13. Mechanical Diassembly



14. Mechanical Parts List

NO	DESCRIPTION	PART NO
M1	FRONT COVER	5642294200
M2	IR Lens	5640331300
M3	Tuner PCB Clamp	5642678700
M4	LCD Bracket(Frame)	5642726400
M5	Wire Mounts	5642679000
M6	Power PCB Shield	5646255900
M8	Power PCB cover	5646256000
M9	Signal Cover	5642318100
M10	Chassis PCB Shield	5646252900
M11	AV PCB Bracket	5648739400
M12	Tuner Cover	5642318200
M13	Back Cover	5642294300
M14	Visa Bracket	5648731700
M15	Control Key	5642847105
M16	Back Cover for Neck	5641414000
M17	Hinge	5648740600
M18	Front Cover for Neck	5641413900
M19	Base	5641413800
M20	Base Wheel	5648602000
M21	Base Bracket	5640407600
M22	AV PCB Shield	5646252400
M23	AV Cover (Hole)	5642317900
M24	Tape of AL Foil	5648006506
M25	BRASS SPACER	5640228500
M26	SPEAK NET	5642514100
M27	**SPEAK SCREEN**	5642318300
M28	CONDUCTION FABRICS 144*13*0.1	5642027805

M29	CONDUCTION FABRICS 80*13*0.1	5642027809
M30	CONDUCTION FABRICS 50*15*0.1	5642027808
M31	CONDUCTION FABRICS 45*10*0.1	5642027810
M32	EMI SHIELDING GASKET 155*5*3	5642025317
M33	POWER INSULATION 119*38	5646506300
M34	POWER INSULATION 58*29	5646506301
M35	POWER INSULATION 58*29	5646506400
M36	Tape of AL Foil	5648006511
S1	PZP M3X8 S-ZN	7134161182
S2	Spaker Screw	5640228400
S3	PPW M3x10 S-Zn	7000311042
S4	PPW M3X6	7000311032
S5	PZP M4X12 S-ZN	7134251682
S6	PP M4X6 S-ZN	7001260612
S7	AV Cover Screw	5640228300
S8	PF M4X8 S-ZN	7004261112
S9	BFB M4X12 S-ZN	7034251652
S10	PPW M4X12	7000311132